

**ADDITIONAL
SUBSURFACE SOIL INVESTIGATION
MB INDUSTRIES
16808 SOUTH HARBOR BOULEVARD
SANTA ANA, CALIFORNIA
(OCHCA CASE NO. 96UT32)
(GID #T0605901972)**

Prepared for:

**Ms. Nicole Mammano
MB Industries
1742 Clear Creek Drive
Fullerton, CA 92833-1442**

Prepared by:

**FREY Environmental, Inc.
2817A Lafayette Avenue
Newport Beach, California 92663-3715
(949) 723-1645**

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1.0 INTRODUCTION

This report presents the results of additional subsurface soil investigation activities performed by FREY Environmental, Inc. (FREY) at the property located at 16808 South Harbor Boulevard, in Santa Ana, California (Site) (Figures 1 and 2). The work was performed in general accordance with our Corrective Action Plan (CAP) dated January 22, 2004. The CAP was approved by the Orange County Health Care Agency (OCHCA) in their letter dated March 3, 2004. Additionally, FREY submitted an addendum to the CAP dated March 1, 2005, which was approved by the OCHCA in their letter dated March 8, 2005.

2.0 BACKGROUND

2.1 UNDERGROUND STORAGE TANK REMOVAL - 1996

On July 22, 1996, the OCHCA witnessed the removal of one 1,000-gallon gasoline underground storage tank (UST) from the Site. The UST and related fueling appurtenances were removed by American Environmental Management (AEM), of Los Alamitos, California (AEM, 1996).

On July 22, 1996, five soil samples were collected from the former UST and fuel dispenser area. One soil sample, DS-3, was collected approximately 2 feet below ground surface (bgs) from the fuel dispensing area, and four soil samples (TS-1, TS-2, B-2, and SW-1) were collected inside the UST excavation cavity. TS-1 and TS-2 were collected at approximately 8 feet bgs from the north and south end of the UST cavity, respectively. B-2 was collected at approximately 12 feet bgs in the center of the UST cavity, and SW-1 was collected at approximately 12 feet bgs from the north end of the UST cavity. Soil sample locations and the reported approximate area of the UST excavation are shown on Figure 3.

Soil samples were analyzed for total petroleum hydrocarbons as gasoline (TPH) in accordance with EPA Method No. 8015M, and for benzene, toluene, ethylbenzene, total xylenes (BTEX) and methyl tert-butyl ether (MTBE) in general accordance with EPA Method No. 8020. Concentrations of TPH, BTEX, and MTBE were detected in all of the soil samples collected and analyzed from the Site, with exception of TPH in soil sample DS-3, and MTBE in soil samples DS-3 and B-2. The highest concentrations of TPH and benzene were detected in soil sample SW-1 at 3,550 milligrams per kilogram (mg/kg) and 340,000 micrograms per kilogram ($\mu\text{g/kg}$), respectively (AEM, 1996) (Table 1).

2.2 SOIL AND GROUNDWATER INVESTIGATION - 1998

On June 17, 1998, Sierra Geoscience, Inc. (SGI) advanced three borings in the area of the former UST (Figure 2). The borings (MW1 through MW3) were advanced to approximately 27 feet bgs using a hollow stem auger drill rig. Soil samples were collected from each boring at 5, 10, and 15-foot bgs.

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Groundwater monitoring wells MW-1 through MW-3 were then installed in their respective boreholes with screen intervals extending from approximately 10 feet bgs to 25 feet bgs. Groundwater was encountered in each borehole at a depth of approximately 14 feet bgs (SGI, 1998). Collected soil samples were analyzed for TPH, BTEX and MTBE. TPH was detected in the majority of the soil samples collected from borings MW1 and MW2. The highest TPH concentration (47 mg/kg) was detected in the soil sample collected from boring MW1 at 5 feet bgs (MW1-5). Benzene was detected in soil samples MW1-5, MW1-10, and MW2-15 at concentrations of 256 µg/kg, 4,080 µg/kg, and 80 µg/kg, respectively. Benzene was not detected in any other samples collected and analyzed. Concentrations of TPH and BTEX were not detected in soil samples collected and analyzed from boring MW3. MTBE was not detected in any of the soil samples collected and analyzed from borings MW1 through MW3 (SGI, 1998)(Table 1).

On August 12, 1998, after the development and purging of groundwater monitoring wells MW-1 through MW-3, SGI collected groundwater samples from each groundwater monitoring well. Groundwater samples were analyzed for TPH/BTEX and MTBE, in general accordance with EPA Method Nos. 8015G/8020A, respectively. TPH and benzene were detected in the groundwater samples collected and analyzed from wells MW-1 and MW-2 at concentrations up to 2,640 micrograms per liter (µg/l) and 57 µg/l, respectively. TPH and benzene were not detected in the groundwater samples collected and analyzed from well MW-3. MTBE was not detected in the groundwater samples collected and analyzed from wells MW1 through MW3 (Table 2)(SGI, 1998).

2.3 ADDITIONAL WELL INSTALLATION - 2000

On January 14, 2000, SGI advanced one borehole (MW4) in the approximate center of the former UST cavity (Figure 3). MW4 was advanced to approximately 20 feet bgs. Soil samples were collected from the boring at 5 and 10 feet bgs. Groundwater monitoring well MW-4 was installed in the borehole and screened from approximately 5 feet bgs to 20 feet bgs (SGI, 2000).

Collected soil samples were analyzed for TPH, BTEX and MTBE. TPH and benzene were detected in soil sample MW4-5 (collected from boring MW4 at 5 feet bgs) at concentrations of 4,430 µg/kg and 90.7 µg/kg, respectively. Concentrations of TPH and benzene were not detected in soil sample MW4-10 (Table 1). Concentrations of MTBE were not detected in the soil samples collected and analyzed from boring MW4 (SGI, 2000).

On February 8, 2000, after the development and purging of groundwater monitoring well MW-4, SGI collected groundwater samples from groundwater monitoring wells MW-1 through MW-4. Groundwater samples were analyzed for TPH/BTEX and MTBE, in general accordance with EPA Method Nos. 8015G/8020A, respectively. TPH, benzene (except in well MW-3) and MTBE were detected in the groundwater samples collected and analyzed from wells MW-1 through MW-4 at concentrations up to 2,320 µg/l, 28.9 µg/l, and 9.7 µg/l, respectively (Table 2)(SGI, 2000).

2.4 REMEDIAL WELL INSTALLATION - 2003

On August 21, 2003, FREY Environmental, Inc. (FREY) drilled three borings (VEW1 through VEW3) at the locations shown on Figure 3. Subsurface materials encountered in borings VEW1 through VEW3 consisted of silty clay from just below the ground surface to approximately 8 feet bgs and poorly graded fine sand from approximately 8 feet bgs to the bottom of each boring. Soil samples were collected from each boring at 5 and 10 feet bgs. Vapor extraction wells VEW1 through VEW3 were installed in their respective boreholes and constructed of two-inch diameter, schedule 40 PVC blank and screened casing. The screened casing for wells VEW1 through VEW3 extended from approximately 5 feet to 9 feet bgs.

Soil samples collected from borings VEW1 through VEW3 were analyzed for TPH in general accordance with EPA Method No. 8015M, and for BTEX and fuel oxygenates in general accordance with EPA Method No. 8260B. TPH, benzene, and fuel oxygenates were not detected above the laboratory detection limits in any of the soil samples collected and analyzed during this investigation (Table 1) (FREY, 2003).

2.5 VAPOR EXTRACTION TEST - 2003

On September 16, 2003, FREY conducted two vapor extraction tests (VETs) designated as Test 1 and Test 2, utilizing vapor extraction wells VEW2 and VEW1, respectively. The VETs were conducted to assess the yield of petroleum hydrocarbons and fuel oxygenate vapor concentrations of each extraction well, to estimate the radius of influence of each extraction well, and to estimate the permeability of subsurface soils with respect to the flow of soil gas (pneumatic permeability). Each test was conducted by increasing the vacuum/flow rate to the extraction well at distinct intervals, or steps (FREY, 2003a).

Based on the results of Tests 1 and 2, it was concluded that soil vapor extraction appears to be a feasible method for the removal of petroleum hydrocarbons from subsurface soils at the Site. The results indicated that subsurface vapors can be extracted from subsurface soils through two inch diameter vapor extraction wells at flows of approximately 21 to 37 scfm (Test 1) and 17 to 28 scfm (Test 2), with corresponding vacuums of approximately 25 to 75 inches of water column. The radius of influence derived from observed data collected during Tests 1 and 2 was estimated to be 20 feet (FREY, 2003a).

TPH and BTEX were detected in all the vapor samples collected and analyzed as part of the VETs. Fuel oxygenates were not detected in the vapor samples collected and analyzed as part of the VETs (Table 3). Based on the laboratory results TPH and benzene concentrations in soil vapor from the extraction wells increased during the course of Tests 1 and 2 when extracting from wells VEW2 and VEW1, respectively. It is estimated that approximately 3 pounds (0.5 gallon) of petroleum hydrocarbons were removed from subsurface soils during the conduct of Tests 1 and 2 (FREY, 2003a).

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2.6 CORRECTIVE ACTION PLAN AND FEASIBILITY STUDY - 2004

FREY prepared a remedial feasibility study and corrective action plan following the conclusion of feasibility testing at the Site. In the feasibility study, FREY discounted the use of in-situ soil vapor extraction as a viable remedial alternative at the Site. FREY also discussed the projected cost and effectiveness of soil excavation with augmented bioremediation to reduce concentrations of petroleum hydrocarbons in soil and groundwater beneath the Site (FREY, 2004).

Based on the conclusions reached in the feasibility study, FREY selected soil excavation with augmented bioremediation as the most efficient and cost-effective method(s) for the reduction of petroleum hydrocarbons in soil and groundwater beneath the Site (FREY, 2004). FREY had estimated, for the purpose of the feasibility study, that an excavation with the dimensions of 20 feet long by 15 feet wide by 10 feet deep would be required for the removal of petroleum hydrocarbon impacted soil. This excavation is estimated to generate approximately 110 cubic yards (173 tons) of soil from the Site. Prior to excavation, FREY recommended the advancement of borings to better define the area of petroleum hydrocarbon impacted soil.

It is anticipated that the excavation can be dug approximately 1 foot below the watertable. It is not anticipated that groundwater will be pumped out of the excavation. The excavation will be backfilled with crushed rock or equivalent to approximately 6 feet bgs to bridge the groundwater table. Imported sand backfill soil and clean soils previously excavated from the excavation will be used to backfill the remainder of the excavation.

Prior to the placement of crushed rock, ORC (a time released oxygen compound material) will be placed at the base of the excavation below the water table. The purpose of placement of ORC is to remediate petroleum hydrocarbons that may be released from the soil matrix to groundwater during excavation activities.

2.7 QUARTERLY GROUNDWATER MONITORING - 1998 through 2005

Twelve groundwater monitoring and sampling events have been conducted since August 12, 1998. The most recent sampling event was conducted by FREY on June 27, 2005.

Depth to groundwater ranged from 7.92 feet below the top of casing (toc) to 8.48 feet toc during the first bi-annual 2005 groundwater monitoring and sampling event conducted on June 27, 2005. Groundwater elevations ranged from 41.66 feet above mean sea level (msl) in groundwater monitoring well MW-1 to 41.72 feet msl in groundwater monitoring wells MW-3 and MW-4. The direction of groundwater flow during this sampling event was estimated to be generally toward the south at an approximate gradient of 0.001 feet/foot (FREY, 2005).

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Historically, Concentrations of TPH, BTEX and MTBE were not detected at or above the laboratory detection limits, or were detected in relatively low concentrations, in groundwater samples collected and analyzed from wells MW-1 through MW-4 between February 22, 2002, and December 30, 2004.

On June 27, 2005, during the most recent bi-annual groundwater monitoring event, TPH were detected in groundwater samples collected and analyzed from well MW-1 at a concentration of 230 ug/l. Benzene was detected at a concentration of 0.61 ug/l in groundwater samples collected from well MW-4 (FREY, 2005). Historical groundwater levels and chemical analyses results have been summarized in Table 2.

3.0 SITE SETTING

The Site is located in the City of Santa Ana, at an approximate elevation of 50 feet above mean sea level (Topo, 2000). The Site is currently a roofing material supply yard and occupies an approximate 1.5 acre parcel of land. The ground surface at the Site is relatively flat-lying and consists mostly of asphalt (Figure 2).

3.1 GEOLOGY

The Site is located approximately 2 ¼ mile north of the Newport Mesa and lies within the Orange County portion of the Los Angeles/Orange County Coastal Plain. The Orange County Coastal Plain is bordered on the north and east by the foothills of the Santa Ana Mountains, on the south by the San Joaquin Hills and on the west by the Pacific Ocean. The central and northern portions of the Orange County Coastal Plain consist of structurally downfolded strata of Upper Pleistocene and older age, that form a broad synclinal trough. The trough includes successively permeable and impermeable strata, that reach a depth of up to 20,000 feet near the Anaheim/Orange area (OCWD, 1982).

The Upper Pleistocene and older unconsolidated deposits consist predominantly of marine and lagoonal sediments that include interbedded silts and clays with occasional lenses of sand and gravel. These deposits overlie a thick sequence of Late Cretaceous to Upper Pleistocene age semi-consolidated sedimentary rocks and basement units (OCWD, 1984).

The Upper Pleistocene and older formations are overlain in the region by Recent alluvium, derived from the surrounding hills and sediments transported by the Santa Ana River and Santiago Creek. Recent deposits attain a maximum thickness of approximately 100 feet in the Site area, and consist of sands with interbedded gravels, silts and clays (OCWD, 1984). Based on observations made during previous well installation activities, the upper 30 feet of soil beneath the Site was observed to be predominantly fine to coarse grained sands with occasional silty sands.

3.2 HYDROLOGY

The Site is located in the East Coastal Plain Hydrologic Subarea, of the Lower Santa Ana River Hydrologic Area, within the Santa Ana River Hydrologic Unit (801.11). The water within Unit 801.11 is reported to be of beneficial use for municipal, agricultural, industrial process supply, and industrial service supply (RWQCB, 1995).

3.3 GROUNDWATER SUPPLY WELLS AND SURFACE WATER BODIES

3.3.1 Groundwater Supply Wells

The Irvine Ranch Water District (IRWD) maintains and operates several domestic water supply wells in the Site area. Wells located within the Irvine Ranch Well Field (IRWF) designated as IRWF 16 & 17 are both located within 1 mile of the Site. Well IRWF 16 is located approximately 3,250 feet southeast of the Site. The static depth to water in well IRWF 16 was 17.5 feet bgs as measured in April 1996. Well IRWF 17 is located approximately 3,050 feet east of the Site. The static depth to water in well IRWF 17 was 19 feet bgs as measured in May 1994 (IRWD, 2001).

SGI reported that a well is located at 3420 West Fordham Avenue in the City of Santa Ana. This location is approximately 1,800 feet east-southeast of the Site. Depth to water in the well was 8 feet bgs in 1990 (SGI, 1998). No additional information could be obtained regarding this well. An undesignated groundwater supply well was identified by FREY personnel on September 16, 2003, during the conduct of the VET described in Section 2.6. The well is located approximately 65 feet southeast of groundwater monitoring well MW-1 (Figure 2). The well did not appear to be in use on September 16, 2003. FREY contacted the Orange County Water District (OCWD) for additional information about the undesignated well. The OCWD has a listing for an active industrial groundwater supply well designated as "MB-SA" in their database. No additional information regarding the MB-SA well was available (OCWD, 2003). The undesignated well location, presumed to be industrial groundwater supply well MB-SA, is shown on Figures 1 & 2.

3.3.2 Surface Water Bodies

The nearest surface water body to the Site is the Santa Ana River which borders the Site to the east. The reported location of the former UST at the Site is approximately 200 feet west of the Santa Ana River. The Santa Ana River flows to the southwest in the Site vicinity (TOPO, 2000). No other surface water bodies exist within a 1 mile radius of the Site.

4.0 OBJECTIVES

The objectives of this investigation were to more definitively and accurately assess the lateral and vertical extent of petroleum hydrocarbons in soil in order to proceed with the excavation of the impacted soil as proposed in the CAP dated January 22, 2004.

5.0 FIELD INVESTIGATION

All activities related to this subsurface investigation were conducted under the supervision of a State of California Certified Engineering Geologist in accordance with accepted engineering practice and protocol.

5.1 PRE-FIELD ACTIVITIES

FREY personnel visited the Site on March 16, 2005 and marked the proposed boring locations. FREY obtained underground service alert number A761097 prior to the conduct of drilling activities.

5.2 ADVANCEMENT AND SAMPLING OF DIRECT PUSH BORINGS

FREY personnel oversaw the advancement of soil borings B1 through B7 on March 22, 2005, in the locations illustrated on Figure 2. FREY manually excavated each borehole to 4-feet bgs to locate and avoid subsurface obstructions. Soil borings B1 through B7 were advanced to final depths between 14 and 15 feet bgs, with a Geoprobe 5400 direct push drill rig. Boring B1 was advanced to the southeast of the former UST. Boring B2 was advanced to the southwest of the former UST. Boring B3 was advanced to the west of the former UST. Boring B4 was advanced to the northwest of the former UST. Boring B5 was advanced to the northeast of the former UST. Boring B6 was advanced to the east of the former UST. Boring B7 was advanced in the approximate location of the former UST.

5.2.1 Collection of Soil Samples

Soil samples were collected at depths of 5, 10 and 15 feet bgs from borings B2, B3, B4, and B7. Soil samples were collected at depths of 5, 10, 12 and 14 feet bgs from borings B1 and B5, and 5, 8, 10 and 15 feet bgs from boring B6. Groundwater was encountered at approximately 10 feet bgs during the drilling of the soil borings on March 22, 2005.

Soil samples collected from borings B1, B6 and B7 exhibited some visual evidence of the presence of petroleum hydrocarbon, and had slight to strong petroleum hydrocarbon odors detected. Soil samples were screened in the field for undifferentiated volatile organic compounds (UVOCs) using an organic vapor analyzer as described in Appendix A.

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Field procedures used in the advancement of borings and collection of soil samples are presented in Appendix A. Boring logs, and explanations regarding the format, terms, and soil classification system used to describe the soil conditions are presented in Appendix B.

5.3 LABORATORY ANALYSES

Soil samples collected from borings B1 through B7 were analyzed for TPH-g in general accordance with EPA Method No. 8015M, and for BTEX and fuel oxygenates in general accordance with EPA Method No. 8260B.

6.0 RESULTS OF THE FIELD INVESTIGATION

6.1 SUBSURFACE CONDITIONS

In general, subsurface soils encountered during the advancement of borings B1 through B7 consisted predominantly of clay from below the gravel surface to approximately 8 to 12 feet bgs, where fine grained sand or silt was encountered to the bottom of the borings. A subsurface geologic section line is shown on Figure 3 and a geologic section is presented as Figure 4. An iso-concentration map of benzene in soil at 5 to 10 feet bgs is shown on Figure 5. Groundwater was encountered in the borings advanced on March 22, 2005, at approximately 11 feet bgs.

Soil lithologies encountered at the Site during drilling operations are depicted on the boring logs included in Appendix B.

Evidence of the presence of UVOCs was observed in borings B1, B6 and B7. During drilling operations slight petroleum hydrocarbon odors were observed in boring B1, strong to mild petroleum hydrocarbon odors were observed in boring B6 and no strong petroleum hydrocarbon odors were observed in boring B7.

6.2 LABORATORY RESULTS

TPH-g and BTEX were detected in some of the soil samples collected and analyzed from borings B1 through B7 on March 22, 2005.

- TPHg was detected in six of the soil samples collected and analyzed on March 22, 2005, at concentrations ranging from 0.53 to 41 mg/kg(B6-8).
- Benzene was detected in four of the soil samples collected and analyzed on March 22, 2005, at concentrations ranging from 25 to 330 ug/kg (B1-10).

- Fuel oxygenates (including MTBE and TBA) were not detected in any of the soil samples collected and analyzed on March 22, 2005.

Soil sample analytical results have been summarized in Table 1. Laboratory analytical and quality control/assurance reports have been attached in Appendix C. Soil samples were analyzed by Calscience Environmental Laboratories, Inc., a certified hazardous waste testing laboratory based in Garden Grove, California.

7.0 EXTENT AND MASS OF PETROLEUM HYDROCARBONS IN SOIL

Based on a review of the laboratory soil sample data collected during this investigation and previous investigations as summarized in Table 1, and review of boring logs, FREY has estimated that petroleum hydrocarbon impacted soil is present over an area with approximate dimensions of 35 feet by 13 feet by 5 feet in thickness. The volume is estimated to be equivalent to about 84 cubic yards (126 tons) of soil.

The remaining mass of petroleum hydrocarbons in subsurface soils at the Site is estimated to be approximately 3.73 pounds (0.62 gallons). This mass estimate is based on laboratory results of historical soil samples collected during previous investigations since August 21, 2003 (Table 1). Calculations for the estimated mass of petroleum hydrocarbons remaining in subsurface soils beneath the Site are included in Appendix D.

8.0 DISCUSSION AND CONCLUSIONS

Based on the data collected during this investigation and previous investigations, the lateral and vertical extent of petroleum hydrocarbons have been better defined. However, based on the recent investigation it appears that the lateral extent of petroleum hydrocarbons in soil have not been defined in the southeast direction, hydrogeologically downgradient from boring B1 and B6. It appears that the petroleum hydrocarbon impacted soil zone occurs over the approximate five foot interval near the water table and extends from the former UST excavation in the hydrogeologic downgradient direction.

Based on the current (on and since August 21, 2003) detectable concentrations of TPHg and BTEX in soil in comparison to those concentrations detected in samples collected prior to that date and the non-detectable concentrations of TPHg and BTEX in groundwater samples it would appear as though significant natural attenuation of petroleum hydrocarbons occurred since the USTs were removed and soil samples were collected and analyzed on July 22, 1996. It should be pointed out that three of the four groundwater monitoring wells are screened below the water table and accordingly the groundwater analytical data for those wells may not be representative of the condition of the water and the occurrence of petroleum hydrocarbons in the groundwater in the first few feet of water.

Based on the current estimated mass of petroleum hydrocarbons in soil of 15.6 lbs using data collected on and since August 21, 2003, it is questionable if remedial excavation of petroleum hydrocarbon impacted soil is warranted. It is reasonable to estimate that the process of natural attenuation in soil and soil cleanup objectives can be achieved without active remediation.

9.0 RECOMMENDATIONS

Based on the discussion and conclusions as presented herein, FREY recommends that the excavation of petroleum hydrocarbon impacted soil as defined by recent investigations conducted on and since August 21, 2003 be postponed as it may not be warranted. Further evaluation and definition of the plume of TPHg and BTEX in soil and groundwater is however needed to determine if active remediation should be implemented. Additional borings should be advanced near borings B1 and B6 and southeast of these locations. Shallow screened wells with screen intervals of 5 to 15 feet should be installed in selected borings. These borings and wells will be utilized to define the plume and finalize the assessment.

Quarterly groundwater monitoring should be implemented upon completion of the new monitoring wells. A decision should be made subsequent to the completion of two quarters of monitoring whether remedial excavation as proposed in the CAP should be implemented or the conditions be allowed to naturally attenuate.

10.0 LIMITATIONS

The judgements described in this report are professional opinions based solely within the limits of the scope of work authorized, and pertain to conditions judged to be present or applicable at the time the work was performed. Future conditions may differ from those described herein, and this report is not intended for future evaluations of this Site unless an update is conducted by a consultant familiar with environmental assessments.


This report was compiled partially from information supplied to FREY Environmental, Inc. from outside sources, other information that is in the public domain and a visual inspection of the property. FREY Environmental, Inc. makes no warranty as to the accuracy of statements made by others, which may be contained in this report, nor are any other warranties or guarantees, expressed or implied, included or intended by the report, except that it has been prepared in accordance with the current accepted practices and standards consistent with the level of care and skill exercised under similar circumstances by other professional consultants or firms performing similar services.

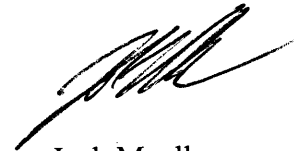
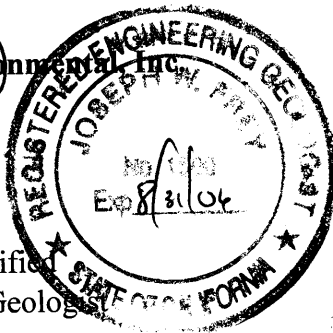
Site conditions may change with time as the result of natural alterations or man-made changes on this or adjacent properties. Future environmental investigations conducted at the Site may reveal site conditions not indicated in the data reviewed by FREY Environmental, Inc. Additionally, changes in standards or regulations applicable to the Site may occur. The findings of this report may be partially or wholly invalidated by changes of which FREY Environmental, Inc. is not aware or has not had the opportunity to evaluate.

Environmental assessments provide an additional source on information regarding the environmental conditions of a particular property or facility. The report to the Client is a professional opinion and judgement, dependent upon FREY's knowledge and information obtained during the course of performance of the services.

Sincerely,

FREY Environmental, Inc.


Joe Frey
Principal Certified
Engineering Geologist
CEG #1500



Josh Moeller
Staff Geologist

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TABLE

TABLE 1
SUMMARY SOIL SAMPLE CHEMICAL ANALYSES RESULTS
16808 SOUTH HARBOR BOULEVARD
SANTA ANA, CALIFORNIA

Sample ID	Date Sampled	Sample Depth [1] (feet)	TPH [2] (mg/kg)	Benzene [3] (ug/kg)	Toluene [3] (ug/kg)	Ethyl- benzene [3] (ug/kg)	Total Xylenes [3] (ug/kg)	MTBE [3] (ug/kg)
UST and Dispenser Samples (AEM)								
TS-1	07/22/1996	8	1,300	45,500	209,000	112,000	670,000	10,200
TS-2	07/22/1996	8	2,123	68,500	308,000	147,700	935,000	12,100
DS-3	07/22/1996	2	ND	107	150	173	1,630	ND
SW-1	07/22/1996	12	3,550	340,000	1,073,000	306,000	1,590,000	49,700
B-2	07/22/1996	12	720	16,000	68,500	28,400	187,000	ND
Sierra Geoscience, Inc.								
MW1-5	06/17/1998	5	47	256	912	640	4,920	ND
MW1-10	06/17/1998	10	40	4,080	1,480	1,280	6,700	ND
MW1-15	06/17/1998	15	ND	ND	ND	ND	ND	ND
MW2-5	06/17/1998	5	20	ND	120	216	1,400	ND
MW2-10	06/17/1998	10	ND	ND	11	ND	14	ND
MW2-15	06/17/1998	15	21	80	673	348	2,010	ND
MW3-5	06/17/1998	5	ND	ND	ND	ND	ND	ND
MW3-10	06/17/1998	10	ND	ND	ND	ND	ND	ND
MW3-15	06/17/1998	15	ND	ND	ND	ND	ND	ND
MW4-5	01/14/2000	5	4,430	90.7	217	168	517	ND
MW4-10	01/14/2000	10	ND	ND	ND	7.6	ND	ND

TABLE 1
SUMMARY SOIL SAMPLE CHEMICAL ANALYSES RESULTS
16808 SOUTH HARBOR BOULEVARD
SANTA ANA, CALIFORNIA

Sample ID	Date Sampled	Sample Depth [1] (feet)	TPH [2] (mg/kg)	Benzene [3] (ug/kg)	Toluene [3] (ug/kg)	Ethyl- benzene [3] (ug/kg)	Total Xylenes [3] (ug/kg)	MTBE [3] (ug/kg)
Frey Environmental, Inc.								
VEW1-5	08/21/2003	5	ND<0.50	ND<5	5.1	ND<5	ND<5	ND<5
VEW1-10	08/21/2003	10	ND<0.50	ND<5	ND<5	ND<5	ND<5	ND<5
VEW2-5	08/21/2003	5	ND<0.50	ND<5	ND<5	ND<5	ND<5	ND<5
VEW2-10	08/21/2003	10	ND<0.50	ND<5	ND<5	ND<5	ND<5	ND<5
VEW3-5	08/21/2003	5	ND<0.50	ND<5	ND<5	ND<5	ND<5	ND<5
VEW3-10	08/21/2003	10	ND<0.50	ND<5	5.5	ND<5	ND<5	ND<5
B1-5	03/22/2005	5	5.3	71	330	620	1,340	ND<5.0
B1-10	03/22/2005	10	15	330	100	640	1,990	ND<5.0
B1-12	03/22/2005	12	ND<0.50	ND<5	ND<5	ND<5	ND<5	ND<5
B1-14	03/22/2005	14	ND<0.50	ND<5	ND<5	ND<5	ND<5	ND<5
B2-5	03/22/2005	5	ND<0.50	ND<5	ND<5	ND<5	ND<5	ND<5
B2-10	03/22/2005	10	ND<0.50	ND<5	ND<5	ND<5	ND<5	ND<5
B2-15	03/22/2005	15	ND<0.50	ND<5	ND<5	ND<5	ND<5	ND<5
B3-5	03/22/2005	5	ND<0.50	ND<5	ND<5	ND<5	ND<5	ND<5
B3-10	03/22/2005	10	ND<0.50	ND<5	ND<5	ND<5	ND<5	ND<5
B3-15	03/22/2005	15	ND<0.50	ND<5	ND<5	ND<5	ND<5	ND<5
B4-5	03/22/2005	5	ND<0.50	ND<5	ND<5	ND<5	ND<5	ND<5
B4-10	03/22/2005	10	ND<0.50	ND<5	ND<5	ND<5	ND<5	ND<5
B4-15	03/22/2005	15	ND<0.50	ND<5	ND<5	ND<5	ND<5	ND<5
B5-5	03/22/2005	5	ND<0.50	ND<5	ND<5	ND<5	ND<5	ND<5
B5-10	03/22/2005	10	ND<0.50	ND<5	ND<5	ND<5	ND<5	ND<5
B5-12	03/22/2005	12	ND<0.50	ND<5	ND<5	ND<5	ND<5	ND<5
B5-14	03/22/2005	14	ND<0.50	ND<5	ND<5	ND<5	ND<5	ND<5

TABLE 1
SUMMARY SOIL SAMPLE CHEMICAL ANALYSES RESULTS
16808 SOUTH HARBOR BOULEVARD
SANTA ANA, CALIFORNIA

Sample ID	Date Sampled	Sample Depth [1] (feet)	TPH [2] (mg/kg)	Benzene [3] (ug/kg)	Toluene [3] (ug/kg)	Ethylbenzene [3] (ug/kg)	Total Xylenes [3] (ug/kg)	MTBE [3] (ug/kg)
B6-8	03/22/2005	8	41	ND<500	6,700	15,000	88,000	ND<500
B6-10	03/22/2005	10	13	110	76	260	1,670	ND<5.0
B6-15	03/22/2005	15	0.53	ND<5	ND<5	ND<5	ND<5	ND<5
B7-5	03/22/2005	5	ND<0.50	ND<5	ND<5	ND<5	ND<5	ND<5
B7-10	03/22/2005	10	2.9	25	ND<5.0	67	440	ND<5
B7-15	03/22/2005	15	ND<0.50	ND<5	ND<5	ND<5	ND<5	ND<5

Notes:

- [1] Depths measured in feet below ground surface.
[2] Analyzed in general accordance with EPA Method No. 8015M modified for gasoline or diesel.
[3] Analyzed in general accordance with EPA Method No.
ND = Not detected at the laboratory detection limit.
mg/kg = milligrams per kilogram
ug/kg = micrograms per kilogram

Table 2
Summary of Groundwater Levels and Chemical Analyses Results
16808 South Harbor Boulevard
Santa Ana, California

Well No.	Well Elevation [1] (ft.-msl)	Screen Interval (feet)	Date Sampled	Depth to Groundwater (feet-toc)	Groundwater Elevation (ft.-msl)	Free Product Thickness (feet)	TPH [2] µg/L	Benzene [3] µg/L	Toluene [3] µg/L	Ethyl-benzene [3] µg/L	Total Xylenes [3] µg/L	MTBE[3] µg/L
MW-1	49.90	10-25	08/12/1998	8.29	41.61	ND	596	6.0	ND<0.5	1.3	36	ND<10
			08/05/1999	9.02	40.88	ND	68.0	1.9	1.7	0.9	1.4	23.2
			02/08/2000	9.30	40.60	ND	50	2.7	ND<0.5	ND<0.5	ND<1.0	8.5
			02/22/2002	9.21	40.69	ND	ND<100	ND<1	ND<1	ND<5	ND<1	ND<1
			05/20/2002	9.34	40.56	ND	ND<100	1.3	ND<1	ND<5	ND<5	ND<1
			09/19/2002	9.45	40.45	ND	ND<100	ND<1	ND<5	ND<5	ND<5	3.2
			12/13/2002	9.35	40.55	ND	ND<100	ND<1	ND<5	ND<5	ND<5	ND<1
			05/07/2003	9.05	40.85	ND	ND<100	ND<1	ND<5	ND<5	ND<5	ND<1
			10/21/2003	9.33	40.57	ND	70	ND<1	ND<5	ND<5	ND<5	1.3
			04/28/2004	9.05	40.85	ND	ND<100	0.58	ND<1.0	ND<1.0	ND<1.0	ND<1.0
			12/30/2004	8.90	41.00	ND	ND<100	ND<0.50	ND<1.0	ND<1.0	ND<1.0	ND<1.0
			06/27/2005	8.24	41.66	ND	230	ND<0.50	ND<1.0	ND<1.0	ND<1.0	ND<1.0
MW-2	49.62	10-25	08/12/1998	7.88	41.74	ND	2,640	57	9.2	2.3	149	ND<10
			08/05/1999	8.69	40.93	ND	334	16.8	3.2	2.0	56.8	35.9
			02/08/2000	8.89	40.73	ND	58	2.8	ND<0.5	0.6	5.6	9.7
			02/22/2002	8.91	40.71	ND	ND<100	ND<1	ND<1	2.71	ND<1	1.8
			05/20/2002	9.06	40.56	ND	ND<100	ND<1	ND<1	ND<5	ND<1	2.2
			09/19/2002	9.16	40.46	ND	ND<100	ND<1	ND<5	ND<5	ND<5	1.7
			12/13/2002	9.06	40.56	ND	ND<100	ND<1	ND<5	ND<5	ND<5	3.6
			05/07/2003	8.75	40.87	ND	ND<100	ND<1	ND<5	ND<5	ND<5	ND<1
			10/21/2003	9.01	40.61	ND	63	ND<1	ND<5	ND<5	ND<5	ND<1
			04/28/2004	8.75	40.87	ND	ND<100	ND<0.50	ND<1.0	ND<1.0	ND<1.0	1.4
			12/30/2004	8.59	41.03	ND	ND<100	ND<0.50	ND<1.0	ND<1.0	ND<1.0	ND<1.0
			06/27/2005	7.92	41.70	ND	ND<100	ND<0.50	ND<1.0	ND<1.0	ND<1.0	ND<1.0

Table 2
Summary of Groundwater Levels and Chemical Analyses Results
16808 South Harbor Boulevard
Santa Ana, California

Well No.	Well Elevation [1] (ft-msl)	Screen Interval (feet)	Date Sampled	Depth to Groundwater (feet-toc)	Groundwater Elevation (ft-msl)	Free Product Thickness (feet)	TPH [2] µg/L	Benzene [3] µg/L	Toluene [3] µg/L	Ethylbenzene [3] µg/L	Total Xylenes [3] µg/L	MTBE [3] µg/L
MW-3	49.72	10-25	08/12/1998	8.04	41.68	ND	ND<10	ND<0.5	ND<0.5	ND<0.5	ND<1.0	ND<10
			08/05/1999	8.78	40.94	ND	ND<10	ND<0.5	ND<0.5	ND<0.5	ND<1.0	2.9
			02/08/2000	9.00	40.72	ND	24.2	ND<0.5	ND<0.5	ND<0.5	ND<1.0	2.4
			02/22/2002	8.98	40.74	ND	ND<100	ND<1	ND<1	ND<5	ND<1	ND<1
			05/20/2002	9.12	40.60	ND	ND<100	ND<1	ND<1	ND<5	ND<1	ND<1
			09/19/2002	9.23	40.49	ND	ND<100	ND<1	ND<5	ND<5	ND<5	ND<1
			12/13/2002	9.13	40.59	ND	ND<100	ND<1	ND<5	ND<5	ND<5	2.9
			05/07/2003	8.80	40.92	ND	ND<100	ND<1	ND<5	ND<5	ND<5	ND<1
			10/21/2003	9.10	40.62	ND	ND<50	ND<1	ND<5	ND<5	ND<5	ND<1
			04/28/2004	8.81	40.91	ND	ND<100	ND<0.50	ND<1.0	ND<1.0	ND<1.0	ND<1.0
			12/30/2004	8.15	41.57	ND	ND<100	ND<0.50	ND<1.0	ND<1.0	ND<1.0	ND<1.0
			06/27/2005	8.00	41.72	ND	ND<100	ND<0.50	ND<1.0	ND<1.0	ND<1.0	ND<1.0
MW-4	50.20	5-20	02/08/2000	9.55	40.65	ND	2,320	28.9	87.5	70.0	488	3.0
			02/22/2002	9.46	40.74	ND	ND<100	ND<1	ND<1	ND<5	ND<1	ND<1
			05/20/2002	9.61	40.59	ND	ND<100	ND<1	ND<1	ND<5	ND<5	ND<1
			09/19/2002	9.71	40.49	ND	ND<100	ND<1	ND<5	ND<5	ND<5	2.4
			12/13/2002	9.61	40.59	ND	ND<100	ND<1	ND<5	ND<5	ND<5	ND<1
			05/07/2003	9.29	40.91	ND	ND<100	ND<1	ND<5	ND<5	ND<5	ND<1
			10/21/2003	9.58	40.62	ND	54	ND<1	ND<5	ND<5	ND<5	ND<1
			04/28/2004	9.31	40.89	ND	ND<100	ND<0.50	ND<1.0	ND<1.0	ND<1.0	ND<1.0
			12/30/2004	8.65	41.55	ND	ND<100	ND<0.50	ND<1.0	ND<1.0	ND<1.0	ND<1.0
			06/27/2005	8.48	41.72	ND	ND<100	0.61	ND<1.0	ND<1.0	ND<1.0	ND<1.0

Notes:

[1] Wells MW-1 through MW-3 were surveyed for elevation and location by a California Registered Land Surveyor on July 6, 1998. Well MW-4 was surveyed in February, 2000.

[2] Analyzed for total petroleum hydrocarbons as gasoline by modified EPA method 8015M.

[3] Analyzed in general accordance with EPA method 8020 prior to 2/22/02 and analyzed by EPA method 8260B thereafter.

ft-bgs feet below the ground surface

ft-msl feet above mean sea level

ft-toc feet below top of casing

ND not detected below indicated detection limit

Values denoted by 'J' are reported below the laboratory detection limit.

TABLE 3
CHEMICAL ANALYSES OF VAPOR SAMPLES
16808 SOUTH HARBOR BOULEVARD
SANTA ANA, CALIFORNIA

(vapor - parts per million (v/v) - unless otherwise specified)

SAMPLE	DATE SAMPLED	TIME SAMPLED	TPH [1]	BENZENE [2]	TOLUENE [2]	ETHYL BENZENE [2]	TOTAL XYLENES [2]	MTBE [2]	Fixed Gases (in % by volume)		
									O2 [3]	CO2 [3]	N2 [3]
TEST 1											
VEW2-Start*	09/16/2003	10:39	--	--	--	--	--	--	--	--	--
VEW2-Step 1	09/16/2003	11:06	109	0.1	0.289	0.031	0.234	ND<0.001	17.51	3.32	79.17
VEW2-End	09/16/2003	12:12	153	0.325	1.320	0.329	1.283	ND<0.001	19.08	1.43	79.49
TEST 2											
VEW1-Start	09/16/2003	12:47	5,440	8.980	97.400	26.300	123.800	ND<0.001	10.78	10.76	78.46
VEW1-End	09/16/2003	14:10	5,660	9.690	115.000	35.100	93.300	ND<0.001	12.59	8.15	79.26

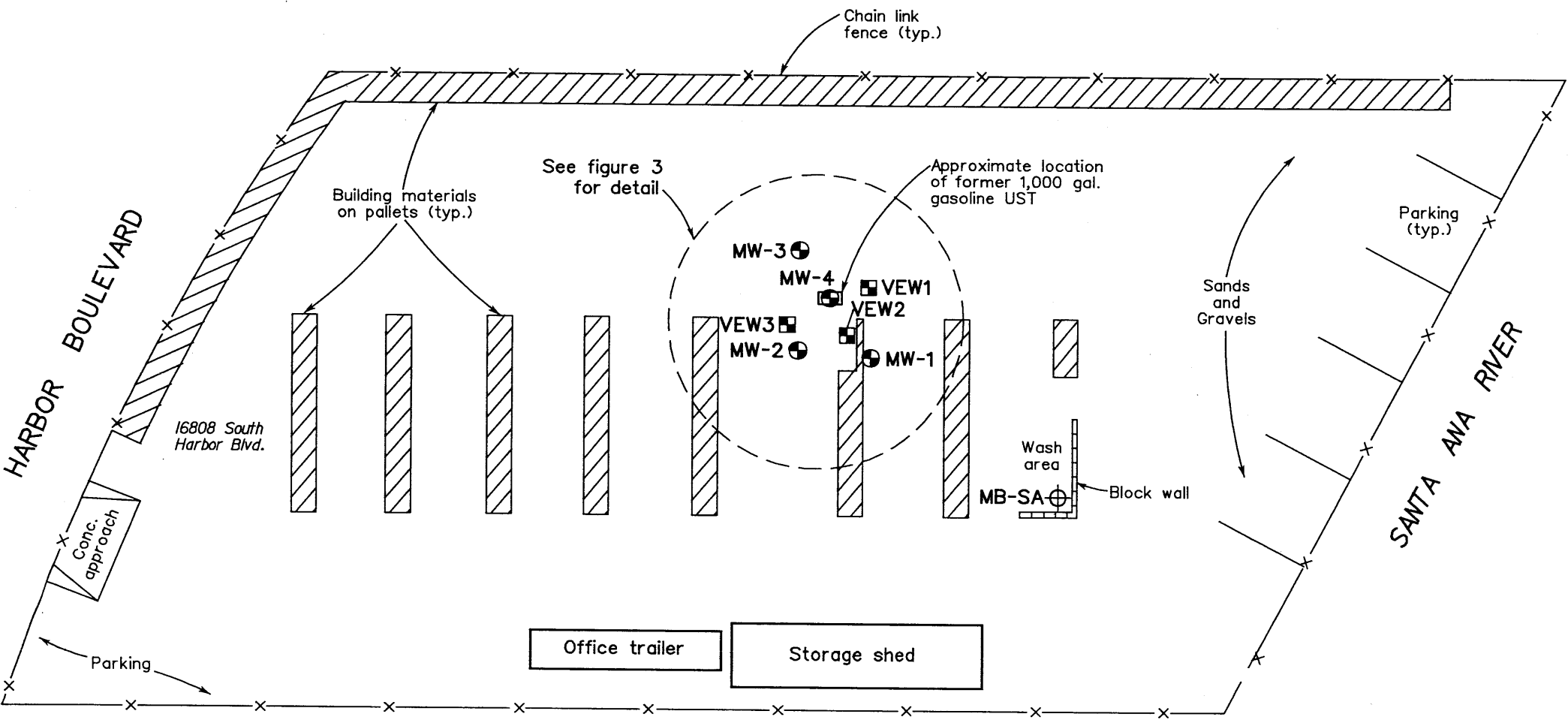
NOTES:

- [1] Total Petroleum Hydrocarbons as gasoline (TPH) analyzed in accordance with EPA Method No. 8015M.
 [2] Benzene, Toluene, Ethylbenzene, Xylenes (BTEX) and fuel oxygenates analyzed in accordance with EPA Method No. TO-15.
 [3] Fixed gases analyzed for included Oxygen (O2), Carbon Dioxide (CO2) and Nitrogen (N2), Hydrogen (H2) and Carbon Monoxide (CO).
 Hydrogen (H2), Carbon Monoxide (CO), and Methane (CH4) were not detected in any of the samples.
 '–' = Not analyzed
 ND = Not detected at the given detection limit.
 * Sample VEW2-Start was a diluted sample and was not analyzed.

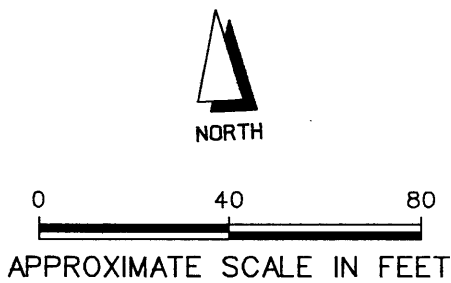
FIGURES

EXPLANATION

- ⊕ MB-SA INDUSTRIAL GROUNDWATER SUPPLY WELL
- ▣ VEW1 VAPOR EXTRACTION WELL LOCATION
- ⊕ MW-1 GROUNDWATER MONITORING WELL LOCATION



- NOTES:
- 1) All locations and dimensions are approximate.
 - 2) Base map from drawing by American Environmental Management, site map dated August 1996, and field observations by FREY Environmental, Inc. personnel on 2/22/02 and 5/20/02.



MB INDUSTRIES
16808 SOUTH HARBOR BOULEVARD
SANTA ANA, CALIFORNIA

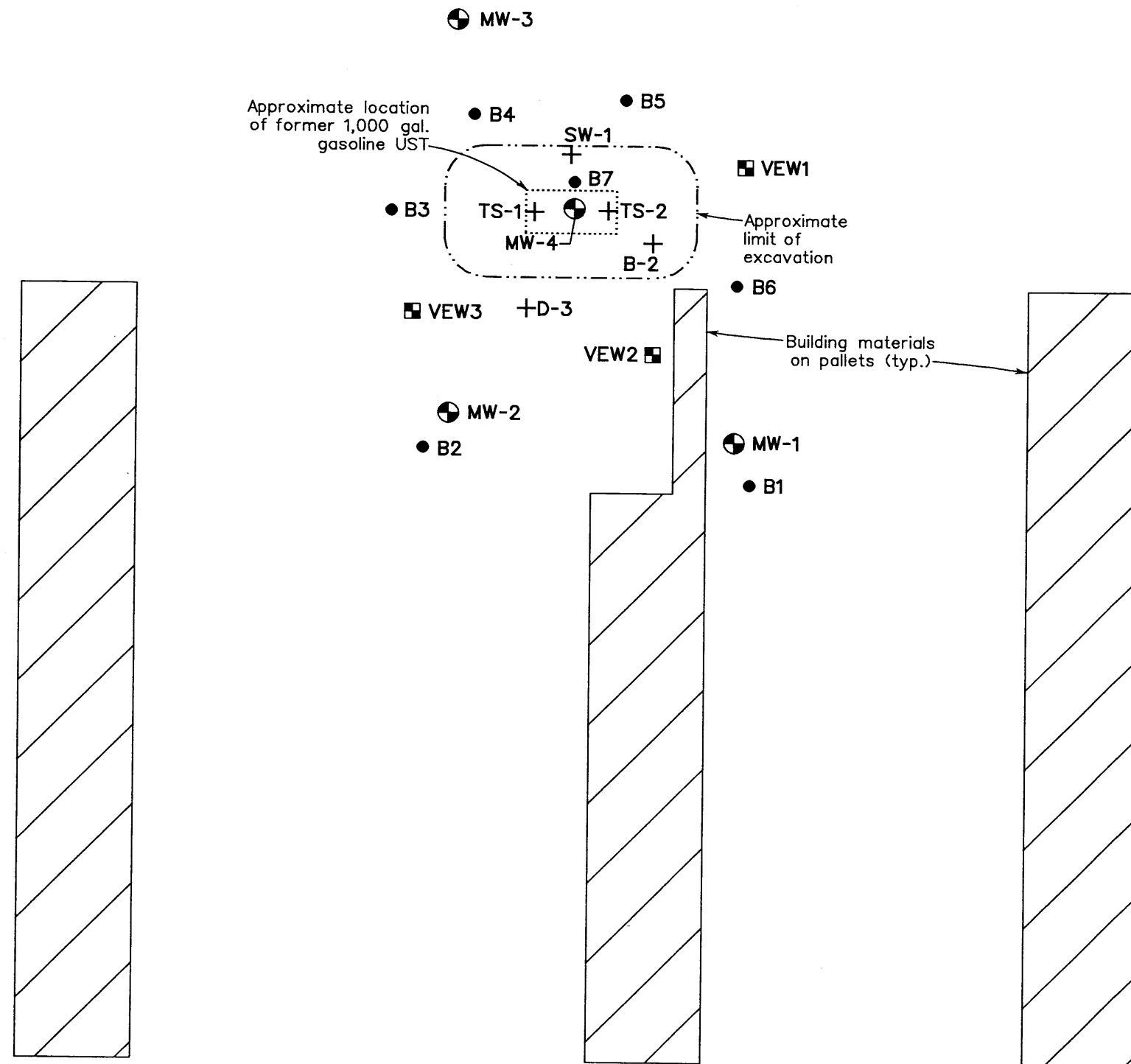
Client: MB INDUSTRIES Project No.: 383-01

FREY ENVIRONMENTAL, INC.

SITE SKETCH

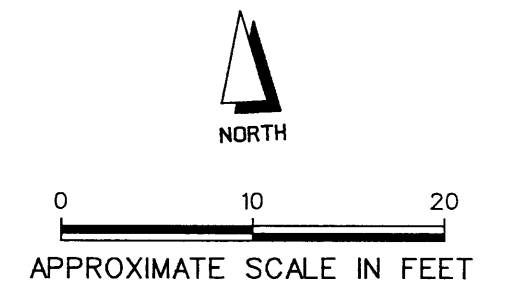
EXPLANATION

- + TS-1 SOIL SAMPLE LOCATION
- B1 GEOPROBE BORING LOCATION
- VEW1 VAPOR EXTRACTION WELL LOCATION
- ⊕ MW-1 GROUNDWATER MONITORING WELL LOCATION



NOTES:

- 1) All locations and dimensions are approximate.
- 2) Base map from drawing by Sierra Geoscience, Inc. titled Groundwater Contour Map, figure 2, dated 9/10/99, FREY Environmental, Inc. personnel field notes, and field notes by OCHCA.



MB INDUSTRIES
16808 SOUTH HARBOR BOULEVARD
SANTA ANA, CALIFORNIA

Client: MB INDUSTRIES

Project No.: 383-01

FREY ENVIRONMENTAL, INC.

SITE SKETCH SHOWING SOIL SAMPLE,
SOIL BORING, GROUNDWATER MONITORING,
AND VAPOR EXTRACTION WELL LOCATIONS

Date: JULY 2005

Figure 3

EXPLANATION

- + TS-1 SOIL SAMPLE LOCATION
- B1 GEOPROBE BORING LOCATION
- VEW1 VAPOR EXTRACTION WELL LOCATION
- ⊕ MW-1 GROUNDWATER MONITORING WELL LOCATION
- A—A' SUBSURFACE GEOLOGIC SECTION LOCATION

NOTES:

- 1) All locations and dimensions are approximate.
- 2) Base map from drawing by Sierra Geoscience, Inc. titled Groundwater Contour Map, figure 2, dated 9/10/99, FREY Environmental, Inc. personnel field notes, and field notes by OCHCA.



0 10 20
APPROXIMATE SCALE IN FEET

MB INDUSTRIES
16808 SOUTH HARBOR BOULEVARD
SANTA ANA, CALIFORNIA

Client: MB INDUSTRIES

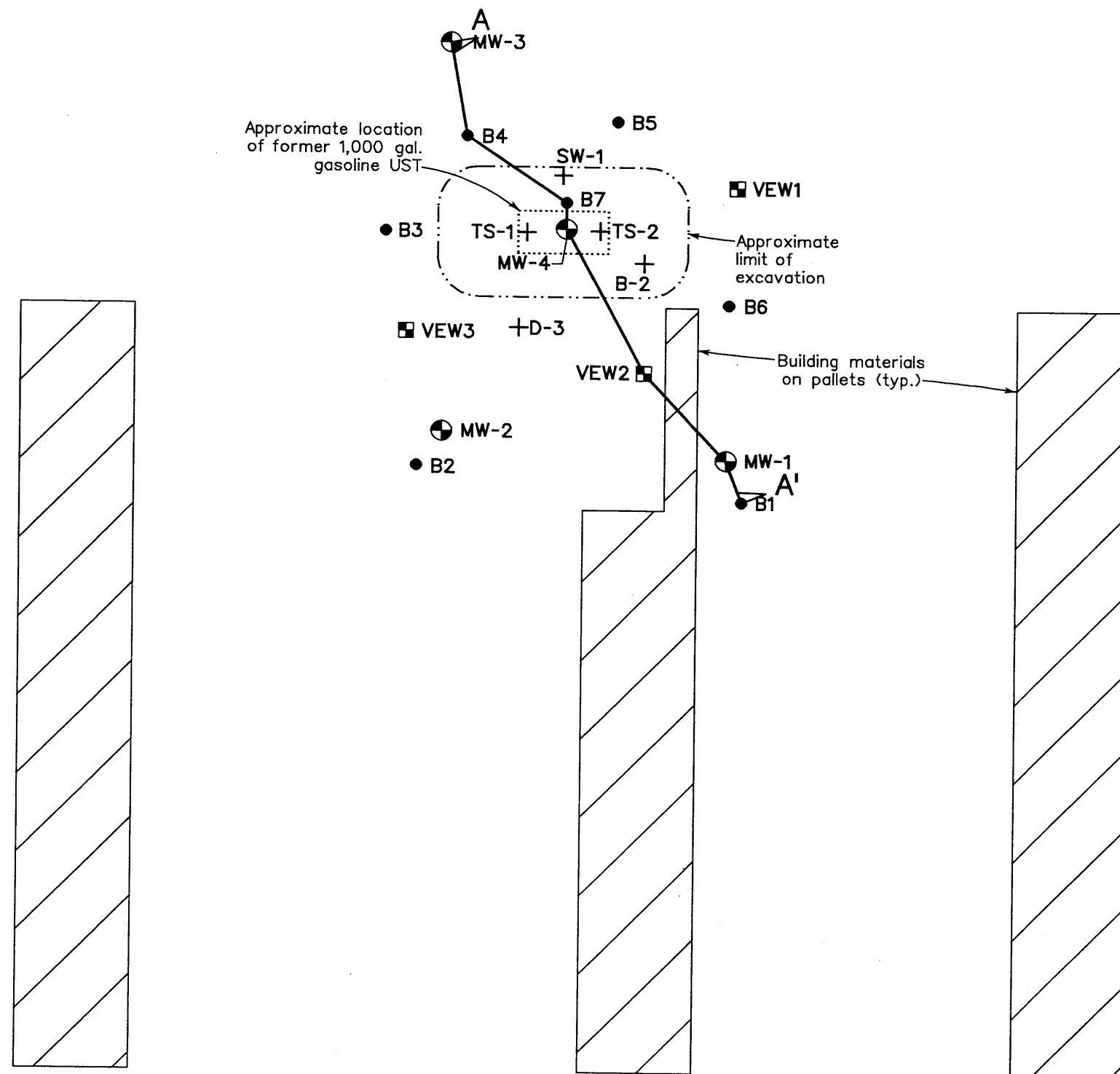
Project No.: 383-01

FREY ENVIRONMENTAL, INC.

SITE SKETCH
SHOWING SUBSURFACE GEOLOGIC SECTION
LOCATION A-A'

Date: JULY 2005

Figure 4



EXPLANATION

Coarse-grained soils

SP

SM

Fine-grained soils

ML

CL

SP

POORLY GRADED SAND

SM

SILTY SAND

ML

SILT

CL

CLAY

[4.08]

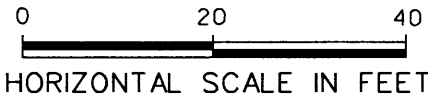
CONCENTRATION OF BENZENE IN SOIL
(EPA METHOD No 8021 before 8/21/03,
EPA Method 8260B thereafter) in mg/kg,
ND=not detected above laboratory
detection limit)

ESTIMATED LIMITS OF BENZENE CONCENTRATIONS IN SOIL >1 mg/kg

WELL SCREEN LOCATION

(12/30/04) GROUNDWATER DEPTH AND DATE MEASURED

- NOTES:
- 1) The subsurface conditions shown are for the boring locations only. Subsurface conditions between borings may be different than shown.
 - 2) Vertical scale has been exaggerated for presentation purposes only.
 - 3) USCS descriptions are based on field classification.
 - 4) See boring logs for additional details.

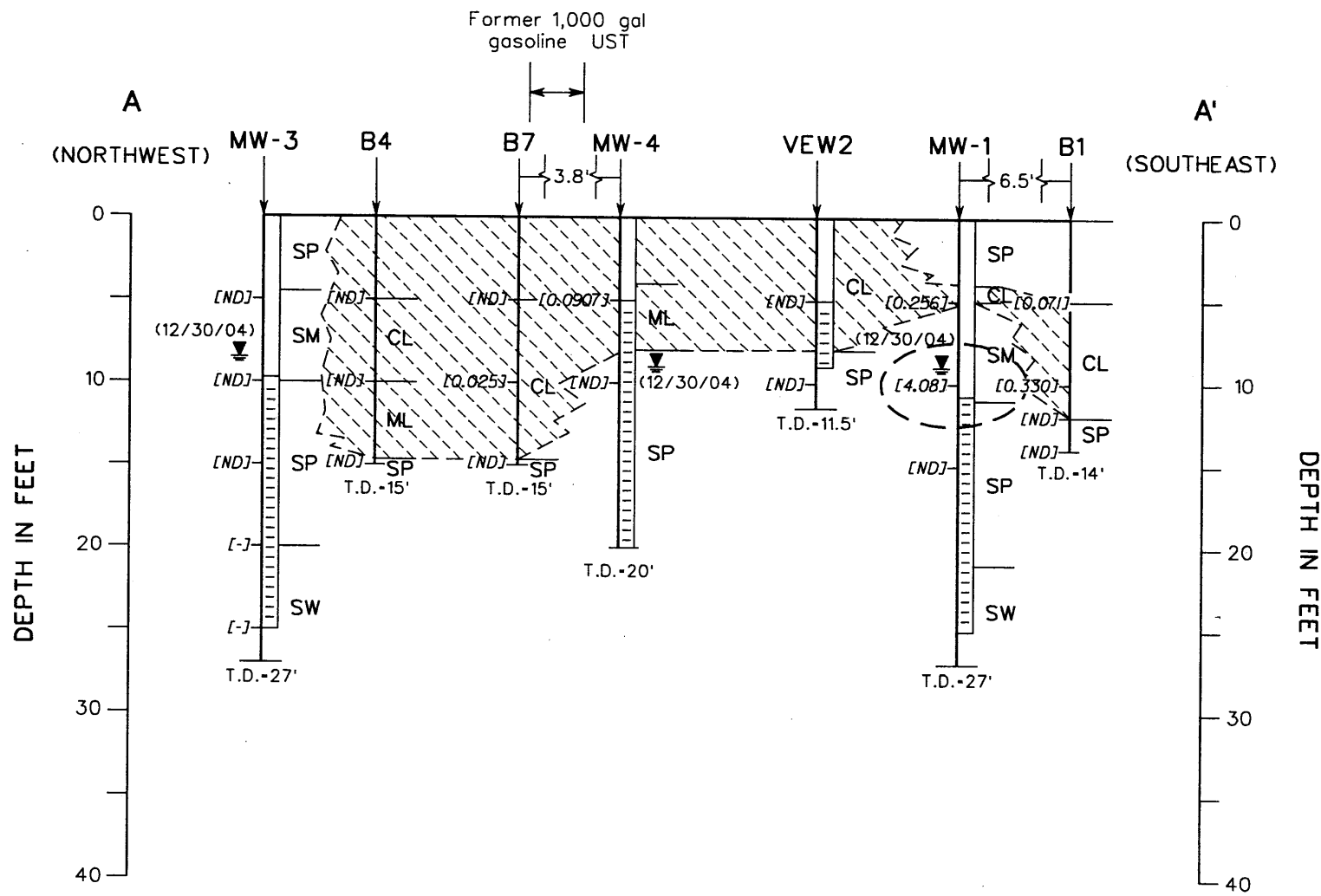


MB INDUSTRIES
16808 SOUTH HARBOR BOULEVARD
SANTA ANA, CALIFORNIA

Client: MB INDUSTRIES Project No.: 383-01

FREY ENVIRONMENTAL, INC.

SUBSURFACE GEOLOGIC SECTION
A-A'



EXPLANATION

- B1 GEOPROBE BORING LOCATION
- VEW1 VAPOR EXTRACTION WELL LOCATION
- ⊕ MW-1 GROUNDWATER MONITORING WELL LOCATION
[15/0.330] With maximum TPHg/benzene concentration in soil at 5 to 10 feet BGS (in mg/kg; ND=not detected above laboratory detection limit)
- 10— CONTOUR OF EQUAL TPH-G CONCENTRATION IN SOIL (at 5 to 10 feet BGS, in mg/kg)

NOTES:

- 1) All locations and dimensions are approximate.
- 2) Base map from drawing by Sierra Geoscience, Inc. titled Groundwater Contour Map, figure 2, dated 9/10/99, FREY Environmental, Inc. personnel field notes, and field notes by OCHCA.



0 10 20
APPROXIMATE SCALE IN FEET

MB INDUSTRIES
16808 SOUTH HARBOR BOULEVARD
SANTA ANA, CALIFORNIA

Client: MB INDUSTRIES

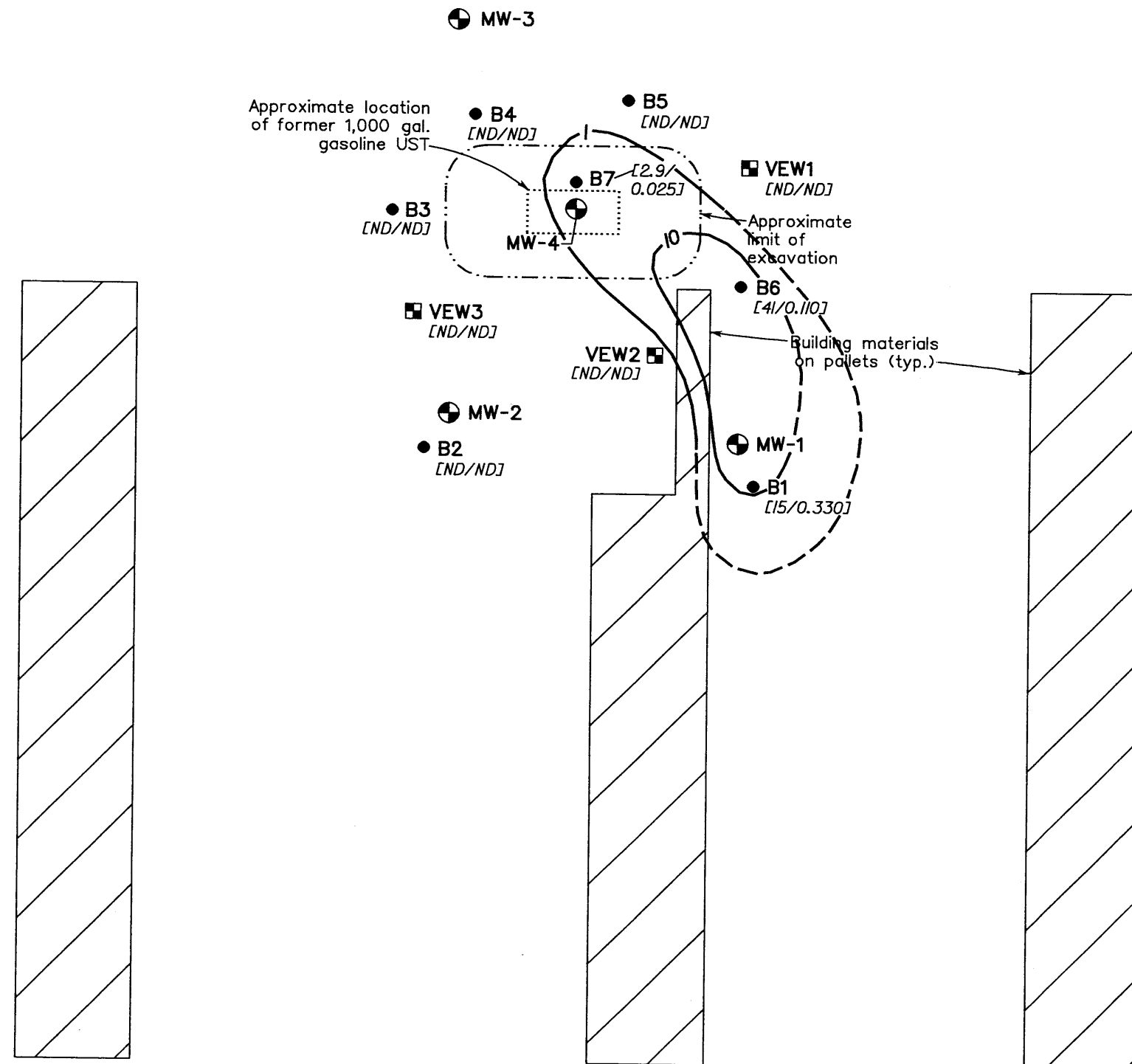
Project No.: 383-01

FREY ENVIRONMENTAL, INC.

SITE SKETCH
SHOWING MAXIMUM TPH AND BENZENE
CONCENTRATIONS IN SOIL SAMPLES COLLECTED
ON OR AFTER AUGUST 21, 2003
BETWEEN 5 AND 10 FEET BGS

Date: JULY 2005

Figure 6



APPENDIX A
FIELD PROCEDURES

A.1 DIRECT-PUSH BORING PROCEDURES AND SOIL SAMPLE COLLECTION

1. Soil borings B1 through B7 were advanced with a truck-mounted, direct-push rig.
2. Soil samples were collected using a combination piston/split barrel sampler equipped with 1-inch diameter acetate liners.
3. The samplers were cleaned by FREY personnel between sample intervals using a brush and tap water followed by a brush and TSP solution, a tap water rinse, and deionized water rinse. The samplers were dried by air or with a towel prior to sampling.
4. Following retrieval of the sampler, the acetate liner was removed from the sampler and approximately 6-inches was cut off the end. The ends were covered with Teflon tape and sealed with PVC endcaps and labeled.
5. The soil in the remaining liner was used for lithologic description and for field head space analysis.
6. Soil samples were placed in an ice chest cooled with ice.
7. The samples were delivered to the laboratory following collection. Sample handling, transport, and delivery to the laboratory were documented using Chain-of-Custody procedures, including the use of Chain-of-Custody forms.
8. Geoprobe borings were backfilled with bentonite sand and resurfaced to match the existing ground surface.

APPENDIX B
BORING LOGS

Date drilled/completed _____
 Geologist _____
 Drilling equipment _____
 Surface elevation _____

Top of casing elevation _____
 Boring depth _____
 Water depth _____
 Well screen depth _____

Depth	EPA Method 8015 (mg/kg)	Headspace (ppmv)	Well Construction Detail	Sample Type	Blow Counts	Sample No.	Graphic Log	U.S.C.S. Classification	Description	Remarks
0										
1										
2										
3										
4										
5										
6	<1	<1			32	5				
7										
8										
9										
10										
11										
12										
13										
14										
15										
16										
17										
18										
19										
20										
21										
22										
23										
24										
25										
26										
27										
28										
29										
30										

SM

Light brown, dry, Silty SAND with trace fine Gravel

Description based on field classification and visual soil description and is further modified to include results of laboratory classification tests, where available.

U. S. C. S. Symbol

Graphic presentation of boring log

Sample identification number

Number of blows to advance sampler one foot using a 140 pound hammer with a 30 inch drop

Sample location and type

Field sample headspace readings for a description of the methods used see appendices

Concentrations of analyte with specified EPA Method No.

Description of well materials used

Graphic presentation of well construction

Remarks, and odor observations

No petroleum hydrocarbon odor

Project Name

Project Number

KEY TO BORING LOGS




Log of Boring

Figure No.

SOIL DESCRIPTION SYSTEM (USCS)

MOISTURE CONTENT		GROUP NAME
DRY	No perceptible moisture	Well-graded GRAVEL Well-graded GRAVEL with Sand
DAMP	Some perceptible moisture, no moisture remains on hands after squeezing	Poorly-graded GRAVEL Poorly-graded GRAVEL with Sand
MOIST	Perceptible moisture, moisture remains on hands after squeezing	Silty GRAVEL Silty GRAVEL with Sand
WET	Some pore/voids filled with liquid, typical of capillary fringe	Clayey GRAVEL Clayey GRAVEL with Sand
SATURATED	All pores/voids filled with liquid, free liquid visible, typical of below ground water table	Well-graded SAND
		Well-graded SAND with Gravel
		Poorly-graded SAND
		Poorly-graded SAND with Gravel
		Silty SAND / Clayey SAND with Gravel
		Silty SAND / Clayey SAND with Gravel
		SILT / SILT with Sand or Gravel
		Sandy SILT / Sandy SILT with Gravel
GRADING		Gravelly SILT / Gravelly SILT with Sand
		Lean CLAY / Lean CLAY with Sand or Gravel
Well Graded Wide range of grain sizes, amounts of all intermediate		Sandy lean CLAY / Sandy lean Clay with Gravel
		Gravelly lean CLAY / Gravelly lean CLAY with Sand
Poorly Graded Predominantly one grain size, obviously missing intermediate		Organic SILTS or organic CLAYS of low plasticity
		Elastic SILT / Elastic SILT with Sand or Gravel
		Sandy elastic SILT / Sandy elastic SILT with Gravel
		Gravelly elastic SILT / Gravelly elastic SILT with Sand
		Fat CLAY / Fat CLAY with Sand or Gravel
		Sandy fat CLAY / Sandy fat CLAY with Gravel
		Gravelly fat CLAY / Gravelly fat CLAY with Sand
		Organic CLAYS or organic SILTS of medium to high plasticity
		EAT, MUCK and other highly organic soils

MODIFIER	NOTES:
trace	1) Subsurface information from boring and test pit logs depict conditions only at the specific locations and dates indicated. Soil conditions and water levels at other locations may differ from conditions at these locations. Also the conditions at these locations may change with time.
minor	2) Blow counts on logs are the number of blows to drive the sampler 12 inches with a 140 pound hammer falling 30 inches unless otherwise specified.
some	3) USCS soil classification reference = ASTM Standard D2487-85.

PERCENTA	1-1-98 water level and date measured (if applicable)
5% 	
12% 	
20% 	

FREY ENVIRONMENTAL, INC.

**BORING LOG LEGEND AND
UNIFIED SOIL CLASSIFICATION SYSTEM**

Date drilled/completed March 22, 2005
 Geologist J. Moeller
 Drilling equipment Direct Push
 Surface elevation Not surveyed

Top of casing elevation NA
 Boring depth Approx. 14 feet BGS
 Water depth Approx. 11 feet BGS
 Well screen depth NA

Depth	EPA Method 8015 TP-Hg (mg/kg)	Headspace (ppmv)	Well Construction Detail	Sample Type	Blow Counts	Sample No.	Graphic Log	U.S.C.S. Classification	Description	Remarks
0									Dirt	
1										
2										
3										
4	5.3	NA			-	5				
5								CL	Green brown, dry CLAY with some Silt, low plasticity	Slight petroleum hydrocarbon odor
6										
7										
8										
9	15	NA			-	10			Becomes blue gray and wet	
10										
11	ND<0.50	NA			-	12				
12										
13	ND<0.50	NA			-	14		SP	Blue gray, saturated, fine grained SAND	
14										
15									Bottom of boring at 14 feet BGS	
16										
17										
18										
19										
20										
21										
22										
23										
24										
25										
26										
27										
28										
29										
30										
Project Name MB INDUSTRIES									Log of Boring	Figure No.
Project Number 383-01									B1	1

Date drilled/completed March 22, 2005
 Geologist J. Moeller
 Drilling equipment Direct Push
 Surface elevation Not surveyed

Top of casing elevation NA
 Boring depth Approx. 15 feet BGS
 Water depth Approx. 11 feet BGS
 Well screen depth NA

Depth	EPA Method 8015 TP+Hg (mg/kg)	Headspace (ppmv)	Well Construction Detail	Sample Type	Blow Counts	Sample No.	Graphic Log	U.S.C.S. Classification	Description	Remarks
0									Dirt	
1										
2										
3										
4	ND<0.50	NA		I	-	5				
5								CL	Blue gray, dry CLAY with some Silt, low plasticity	No petroleum hydrocarbon odor ↓
6										
7										
8										
9	ND<0.50	NA		I	-	10				
10										
11								SP	Blue gray, wet, fine grained SAND with some Silt	
12										
13										
14	ND<0.50	NA		I	-	15			Becomes saturated	
15									Bottom of boring at 15 feet BGS	
16										
17										
18										
19										
20										
21										
22										
23										
24										
25										
26										
27										
28										
29										
30										
Project Name MB INDUSTRIES									Log of Boring	Figure No.
Project Number 383-01									B2	1

Date drilled/completed March 22, 2005
 Geologist J. Moeller
 Drilling equipment Direct Push
 Surface elevation Not surveyed

Top of casing elevation NA
 Boring depth Approx. 15 feet BGS
 Water depth Approx. 11 feet BGS
 Well screen depth NA

Depth	EPA Method 8015 TPH-g (mg/kg)	Headspace (ppmv)	Well Construction Detail	Sample Type	Blow Counts	Sample No.	Graphic Log	U.S.C.S. Classification	Description	Remarks
0									Dirt	
1										
2										
3										
4	ND<0.50	NA			-	5				
5								SP	Tan, dry, fine grained SAND	No petroleum hydrocarbon odor ↓
6										
7										
8										
9	ND<0.50	NA			-	10				
10										
11								ML	Dark gray, wet SILT	
12										
13										
14	ND<0.50	NA			-	15				
15								SP	Tan, saturated, fine to medium grained SAND	
16									Bottom of boring at 15 feet BGS	
17										
18										
19										
20										
21										
22										
23										
24										
25										
26										
27										
28										
29										
30	Project Name MB INDUSTRIES Project Number 383-01								Log of Boring B3	Figure No. 1

Date drilled/completed March 22, 2005
 Geologist J. Moeller
 Drilling equipment Direct Push
 Surface elevation Not surveyed

Top of casing elevation NA
 Boring depth Approx. 15 feet BGS
 Water depth Approx. 11 feet BGS
 Well screen depth NA

Depth	EPA Method 8015 TP-Hg (mg/kg)	Headspace (ppmv)	Well Construction Detail	Sample Type	Blow Counts	Sample No.	Graphic Log	U.S.C.S. Classification	Description	Remarks
0									Dirt	
1										
2										
3										
4	ND<0.50	NA		I	-	5				
5								CL	Olive with red striations, dry CLAY with some SILT, low plasticity	No petroleum hydrocarbon odor ↓
6										
7										
8										
9	ND<0.50	NA		I	-	10				
10								ML	Gray, wet SILT	
11										
12										
13										
14	ND<0.50	NA		I	-	15				
15								SP	Tan, saturated, fine grained SAND	
16									Bottom of boring at 15 feet BGS	
17										
18										
19										
20										
21										
22										
23										
24										
25										
26										
27										
28										
29										
30	Project Name MB INDUSTRIES Project Number 383-01								Log of Boring B4	Figure No. 1

Date drilled/completed March 22, 2005
 Geologist J. Moeller
 Drilling equipment Direct Push
 Surface elevation Not surveyed

Top of casing elevation NA
 Boring depth Approx. 14 feet BGS
 Water depth Approx. 11 feet BGS
 Well screen depth NA

Depth	EPA Method 8015 TPHg (mg/kg)	Headspace (ppmv)	Well Construction Detail	Sample Type	Blow Counts	Sample No.	Graphic Log	U.S.C.S. Classification	Description	Remarks
0									Dirt	
1										
2										
3										
4	ND<0.50	NA			5					No petroleum hydrocarbon odor
5										
6								CL	Olive brown, dry CLAY with some SILT, low plasticity	
7										
8										
9	ND<0.50	NA			10					
10										
11	ND<0.50	NA			12					Slight petroleum hydrocarbon odor
12										
13	ND<0.50	NA			14			SP	Tan, saturated, fine grained SAND	No petroleum hydrocarbon odor
14										
15									Bottom of boring at 14 feet BGS	
16										
17										
18										
19										
20										
21										
22										
23										
24										
25										
26										
27										
28										
29										
30										
Project Name MB INDUSTRIES									Log of Boring	Figure No.
Project Number 383-01									B5	1

Date drilled/completed March 22, 2005
 Geologist J. Moeller
 Drilling equipment Direct Push
 Surface elevation Not surveyed

Top of casing elevation NA
 Boring depth Approx. 15 feet BGS
 Water depth Approx. 11 feet BGS
 Well screen depth NA

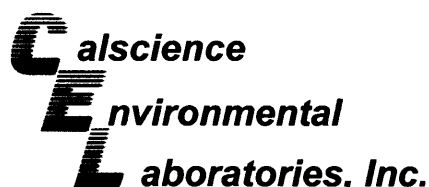
Depth	EPA Method 8015 TPHg (mg/kg)	Headspace (ppmv)	Well Construction Detail	Sample Type	Blow Counts	Sample No.	Graphic Log	U.S.C.S. Classification	Description	Remarks
0									Dirt	
1										
2										
3										
4	-	NA			5					
5									No recovery	
6										Strong petroleum hydrocarbon odor
7	41	NA			8					
8										Mild petroleum hydrocarbon odor
9	13	NA			10			SP	Blue green, wet, fine grained SAND	
10									Becomes saturated	
11										
12										No petroleum hydrocarbon odor
13										
14	0.53	NA			15					
15									Bottom of boring at 15 feet BGS	
16										
17										
18										
19										
20										
21										
22										
23										
24										
25										
26										
27										
28										
29										
30	Project Name MB INDUSTRIES Project Number 383-01								Log of Boring B6	Figure No. 1

Date drilled/completed March 22, 2005
 Geologist J. Moeller
 Drilling equipment Direct Push
 Surface elevation Not surveyed

Top of casing elevation NA
 Boring depth Approx. 15 feet BGS
 Water depth Approx. 11 feet BGS
 Well screen depth NA

Depth	EPA Method 8015 TP+Hg (mg/kg)	Headspace (ppmv)	Well Construction Detail	Sample Type	Blow Counts	Sample No.	Graphic Log	U.S.C.S. Classification	Description	Remarks
0									Dirt	
1										
2										
3										
4	ND<0.50	NA		I	-	5				No petroleum hydrocarbon odor ↓
5								CL	Olive, dry CLAY with some SILT, low plasticity	
6										
7										
8										
9	2.9	NA		I	-	10				
10										
11							▼		Becomes wet	
12										
13										
14	ND<0.50	NA		I	-	15			White, black, saturated, fine to medium grained SAND	
15								SP	Bottom of boring at 15 feet BGS	
16										
17										
18										
19										
20										
21										
22										
23										
24										
25										
26										
27										
28										
29										
30										
Project Name MB INDUSTRIES Project Number 383-01									Log of Boring B7	Figure No. 1

APPENDIX C
LABORATORY REPORT



March 29, 2005

Josh Moeller
Frey Environmental, Inc.
2817-A Lafayette Avenue
Newport Beach, CA 92663-3715

Subject: **Calscience Work Order No.: 05-03-1497**
Client Reference: **MB Industries / 383-01**

Dear Client:

Enclosed is an analytical report for the above-referenced project. The samples included in this report were received 3/23/2005 and analyzed in accordance with the attached chain-of-custody.

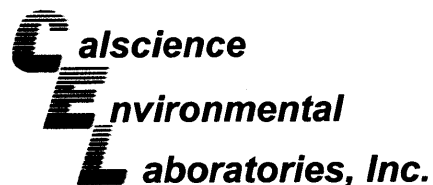
Unless otherwise noted, all analytical testing was accomplished in accordance with the guidelines established in our Quality Assurance Program Manual, applicable standard operating procedures, and other related documentation. The original report of any subcontracted analysis is provided herein, and follows the standard Calscience data package. The results in this analytical report are limited to the samples tested and any reproduction thereof must be made in its entirety.

If you have any questions regarding this report, please do not hesitate to contact the undersigned.

Sincerely,

A handwritten signature in black ink, appearing to read "S. Nowak", is written over a horizontal line.

Calscience Environmental
Laboratories, Inc.
Stephen Nowak
Project Manager



Analytical Report

Frey Environmental, Inc.
2817-A Lafayette Avenue
Newport Beach, CA 92663-3715

Date Received: 03/23/05
Work Order No: 05-03-1497
Preparation: EPA 5030B
Method: DHS LUFT

Project: MB Industries / 383-01

Page 1 of 7

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date Analyzed	QC Batch ID
B1-5	05-03-1497-1	03/22/05	Solid	03/25/05	03/25/05	050325B01

Parameter	Result	RL	DF	Qual	Units
TPH as Gasoline	5.3	0.5	1		mg/kg
<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>		<u>Qual</u>	
1,4-Bromofluorobenzene	102	39-129			

B1-10	05-03-1497-2	03/22/05	Solid	03/25/05	03/25/05	050325B01
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Parameter	Result	RL	DF	Qual	Units
TPH as Gasoline	15	0.50	1		mg/kg
<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>		<u>Qual</u>	
1,4-Bromofluorobenzene	105	39-129			

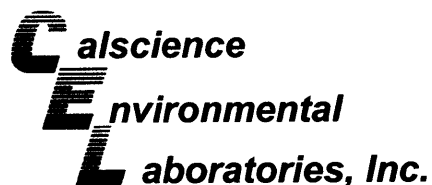
B1-12	05-03-1497-3	03/22/05	Solid	03/25/05	03/25/05	050325B01
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Parameter	Result	RL	DF	Qual	Units
TPH as Gasoline	ND	0.50	1		mg/kg
<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>		<u>Qual</u>	
1,4-Bromofluorobenzene	96	39-129			

B1-14	05-03-1497-4	03/22/05	Solid	03/25/05	03/25/05	050325B01
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Parameter	Result	RL	DF	Qual	Units
TPH as Gasoline	ND	0.50	1		mg/kg
<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>		<u>Qual</u>	
1,4-Bromofluorobenzene	95	39-129			

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers



Analytical Report

Frey Environmental, Inc.
2817-A Lafayette Avenue
Newport Beach, CA 92663-3715

Date Received: 03/23/05
Work Order No: 05-03-1497
Preparation: EPA 5030B
Method: DHS LUFT

Project: MB Industries / 383-01

Page 2 of 7

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date Analyzed	QC Batch ID
B2-5	05-03-1497-5	03/22/05	Solid	03/25/05	03/25/05	050325B01

Parameter	Result	RL	DF	Qual	Units
TPH as Gasoline	ND	0.50	1		mg/kg
<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>		<u>Qual</u>	
1,4-Bromofluorobenzene	90	39-129			

B2-10	05-03-1497-6	03/22/05	Solid	03/25/05	03/25/05	050325B01
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Parameter	Result	RL	DF	Qual	Units
TPH as Gasoline	ND	0.50	1		mg/kg
<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>		<u>Qual</u>	
1,4-Bromofluorobenzene	93	39-129			

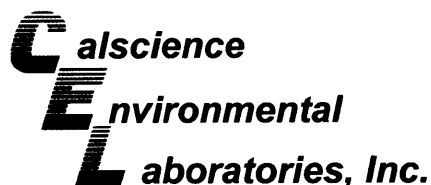
B2-15	05-03-1497-7	03/22/05	Solid	03/25/05	03/25/05	050325B01
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Parameter	Result	RL	DF	Qual	Units
TPH as Gasoline	ND	0.50	1		mg/kg
<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>		<u>Qual</u>	
1,4-Bromofluorobenzene	105	39-129			

B3-5	05-03-1497-8	03/22/05	Solid	03/25/05	03/25/05	050325B01
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Parameter	Result	RL	DF	Qual	Units
TPH as Gasoline	ND	0.50	1		mg/kg
<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>		<u>Qual</u>	
1,4-Bromofluorobenzene	100	39-129			

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers



Analytical Report

Frey Environmental, Inc.
2817-A Lafayette Avenue
Newport Beach, CA 92663-3715

Date Received: 03/23/05
Work Order No: 05-03-1497
Preparation: EPA 5030B
Method: DHS LUFT

Project: MB Industries / 383-01

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Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date Analyzed	QC Batch ID
B3-10	05-03-1497-9	03/22/05	Solid	03/25/05	03/25/05	050325B01

Parameter	Result	RL	DF	Qual	Units
TPH as Gasoline	ND	0.50	1		mg/kg
<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>		<u>Qual</u>	
1,4-Bromofluorobenzene	88	39-129			

B3-15	05-03-1497-10	03/22/05	Solid	03/25/05	03/25/05	050325B01
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Parameter	Result	RL	DF	Qual	Units
TPH as Gasoline	ND	0.50	1		mg/kg
<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>		<u>Qual</u>	
1,4-Bromofluorobenzene	96	39-129			

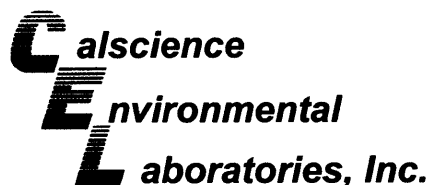
B4-5	05-03-1497-11	03/22/05	Solid	03/25/05	03/25/05	050325B01
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Parameter	Result	RL	DF	Qual	Units
TPH as Gasoline	ND	0.50	1		mg/kg
<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>		<u>Qual</u>	
1,4-Bromofluorobenzene	90	39-129			

B4-10	05-03-1497-12	03/22/05	Solid	03/25/05	03/25/05	050325B01
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Parameter	Result	RL	DF	Qual	Units
TPH as Gasoline	ND	0.50	1		mg/kg
<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>		<u>Qual</u>	
1,4-Bromofluorobenzene	91	39-129			

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers



Analytical Report

Frey Environmental, Inc.
2817-A Lafayette Avenue
Newport Beach, CA 92663-3715

Date Received: 03/23/05
Work Order No: 05-03-1497
Preparation: EPA 5030B
Method: DHS LUFT

Project: MB Industries / 383-01

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Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date Analyzed	QC Batch ID
B4-15	05-03-1497-13	03/22/05	Solid	03/25/05	03/25/05	050325B01

Parameter	Result	RL	DF	Qual	Units
TPH as Gasoline	ND	0.50	1		mg/kg
<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>		<u>Qual</u>	
1,4-Bromofluorobenzene	96	39-129			

B5-5	05-03-1497-14	03/22/05	Solid	03/25/05	03/25/05	050325B01
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Parameter	Result	RL	DF	Qual	Units
TPH as Gasoline	ND	0.50	1		mg/kg
<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>		<u>Qual</u>	
1,4-Bromofluorobenzene	87	39-129			

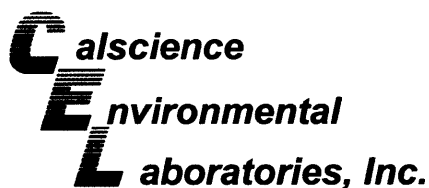
B5-10	05-03-1497-15	03/22/05	Solid	03/25/05	03/25/05	050325B01
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Parameter	Result	RL	DF	Qual	Units
TPH as Gasoline	ND	0.50	1		mg/kg
<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>		<u>Qual</u>	
1,4-Bromofluorobenzene	95	39-129			

B5-12	05-03-1497-16	03/22/05	Solid	03/25/05	03/25/05	050325B01
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Parameter	Result	RL	DF	Qual	Units
TPH as Gasoline	ND	0.50	1		mg/kg
<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>		<u>Qual</u>	
1,4-Bromofluorobenzene	94	39-129			

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers



Analytical Report

Frey Environmental, Inc.
2817-A Lafayette Avenue
Newport Beach, CA 92663-3715

Date Received: 03/23/05
Work Order No: 05-03-1497
Preparation: EPA 5030B
Method: DHS LUFT

Project: MB Industries / 383-01

Page 5 of 7

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date Analyzed	QC Batch ID
B5-14	05-03-1497-17	03/22/05	Solid	03/25/05	03/26/05	050325B01

Parameter	Result	RL	DF	Qual	Units
TPH as Gasoline	ND	0.50	1		mg/kg

Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	93	39-129	

B6-8	05-03-1497-18	03/22/05	Solid	03/26/05	03/26/05	050326B02
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Parameter	Result	RL	DF	Qual	Units
TPH as Gasoline	41	13	25		mg/kg

Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	102	39-129	

B6-10	05-03-1497-19	03/22/05	Solid	03/25/05	03/26/05	050325B01
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Parameter	Result	RL	DF	Qual	Units
TPH as Gasoline	13	0.50	1		mg/kg

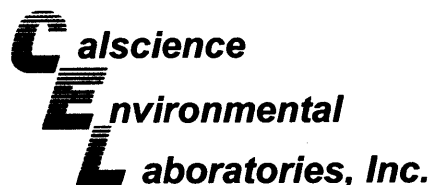
Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	91	39-129	

B6-15	05-03-1497-20	03/22/05	Solid	03/25/05	03/26/05	050325B01
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Parameter	Result	RL	DF	Qual	Units
TPH as Gasoline	0.53	0.50	1		mg/kg

Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	96	39-129	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers



Analytical Report

Frey Environmental, Inc.
2817-A Lafayette Avenue
Newport Beach, CA 92663-3715

Date Received: 03/23/05
Work Order No: 05-03-1497
Preparation: EPA 5030B
Method: DHS LUFT

Project: MB Industries / 383-01

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Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date Analyzed	QC Batch ID
B7-5	05-03-1497-21	03/22/05	Solid	03/26/05	03/26/05	050326B01

Parameter	Result	RL	DF	Qual	Units
TPH as Gasoline	ND	0.50	1		mg/kg
<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>		<u>Qual</u>	
1,4-Bromofluorobenzene	72	39-129			

B7-10	05-03-1497-22	03/22/05	Solid	03/26/05	03/26/05	050326B01
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Parameter	Result	RL	DF	Qual	Units
TPH as Gasoline	2.9	0.5	1		mg/kg
<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>		<u>Qual</u>	
1,4-Bromofluorobenzene	84	39-129			

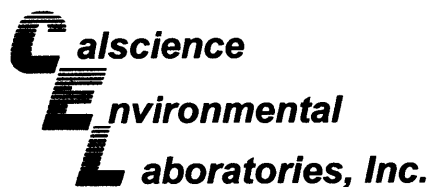
B7-15	05-03-1497-23	03/22/05	Solid	03/26/05	03/26/05	050326B01
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Parameter	Result	RL	DF	Qual	Units
TPH as Gasoline	ND	0.50	1		mg/kg
<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>		<u>Qual</u>	
1,4-Bromofluorobenzene	88	39-129			

Method Blank	098-03-008-5,336	N/A	Solid	03/25/05	03/25/05	050325B01
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Parameter	Result	RL	DF	Qual	Units
TPH as Gasoline	ND	0.50	1		mg/kg
<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>		<u>Qual</u>	
1,4-Bromofluorobenzene	92	39-129			

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers



Analytical Report

Frey Environmental, Inc.
2817-A Lafayette Avenue
Newport Beach, CA 92663-3715

Date Received: 03/23/05
Work Order No: 05-03-1497
Preparation: EPA 5030B
Method: DHS LUFT

Project: MB Industries / 383-01

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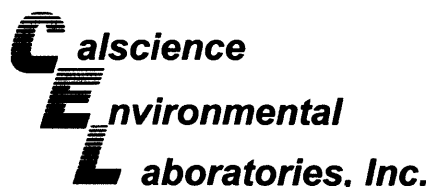
Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date Analyzed	QC Batch ID
Method Blank	098-03-008-5,337	N/A	Solid	03/26/05	03/26/05	050326B01

Parameter	Result	RL	DF	Qual	Units
TPH as Gasoline	ND	0.50	1		mg/kg
<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>		<u>Qual</u>	
1,4-Bromofluorobenzene	94	39-129			

Method Blank	098-03-008-5,338	N/A	Solid	03/26/05	03/26/05	050326B02
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Parameter	Result	RL	DF	Qual	Units
TPH as Gasoline	ND	5.0	10		mg/kg
<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>		<u>Qual</u>	
1,4-Bromofluorobenzene	102	39-129			

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers



Analytical Report

Frey Environmental, Inc.
2817-A Lafayette Avenue
Newport Beach, CA 92663-3715

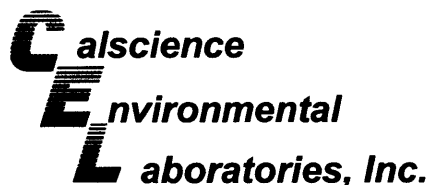
Date Received: 03/23/05
Work Order No: 05-03-1497
Preparation: EPA 5030B
Method: EPA 8260B
Units: ug/kg

Project: MB Industries / 383-01

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Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date Analyzed	QC Batch ID			
B1-5	05-03-1497-1	03/22/05	Solid	03/24/05	03/24/05	050324L01			
Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	71	5	1		Tert-Butyl Alcohol (TBA)	ND	50	1	
Ethylbenzene	620	5	1		Diisopropyl Ether (DIPE)	ND	10	1	
Toluene	330	5	1		Ethyl-t-Butyl Ether (ETBE)	ND	10	1	
p/m-Xylene	920	130	25		Tert-Amyl-Methyl Ether (TAME)	ND	10	1	
o-Xylene	420	130	25		Ethanol	ND	250	1	
Methyl-t-Butyl Ether (MTBE)	ND	5.0	1						
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
Dibromofluoromethane	103	75-141			1,2-Dichloroethane-d4	106	73-151		
Toluene-d8	100	87-111			1,4-Bromofluorobenzene	98	71-113		
B1-10	05-03-1497-2	03/22/05	Solid	03/24/05	03/24/05	050324L01			
Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	330	5	1		Tert-Butyl Alcohol (TBA)	ND	50	1	
Ethylbenzene	640	5	1		Diisopropyl Ether (DIPE)	ND	10	1	
Toluene	100	5	1		Ethyl-t-Butyl Ether (ETBE)	ND	10	1	
p/m-Xylene	1800	5	1		Tert-Amyl-Methyl Ether (TAME)	ND	10	1	
o-Xylene	190	5	1		Ethanol	ND	250	1	
Methyl-t-Butyl Ether (MTBE)	ND	5.0	1						
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
Dibromofluoromethane	99	75-141			1,2-Dichloroethane-d4	103	73-151		
Toluene-d8	98	87-111			1,4-Bromofluorobenzene	94	71-113		
B1-12	05-03-1497-3	03/22/05	Solid	03/24/05	03/24/05	050324L01			
Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	5.0	1		Tert-Butyl Alcohol (TBA)	ND	50	1	
Ethylbenzene	ND	5.0	1		Diisopropyl Ether (DIPE)	ND	10	1	
Toluene	ND	5.0	1		Ethyl-t-Butyl Ether (ETBE)	ND	10	1	
p/m-Xylene	ND	5.0	1		Tert-Amyl-Methyl Ether (TAME)	ND	10	1	
o-Xylene	ND	5.0	1		Ethanol	ND	250	1	
Methyl-t-Butyl Ether (MTBE)	ND	5.0	1						
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
Dibromofluoromethane	102	75-141			1,2-Dichloroethane-d4	107	73-151		
Toluene-d8	97	87-111			1,4-Bromofluorobenzene	87	71-113		

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers



Analytical Report

Frey Environmental, Inc.
2817-A Lafayette Avenue
Newport Beach, CA 92663-3715

Date Received: 03/23/05
Work Order No: 05-03-1497
Preparation: EPA 5030B
Method: EPA 8260B
Units: ug/kg

Project: MB Industries / 383-01

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Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date Analyzed	QC Batch ID
B1-14	05-03-1497-4	03/22/05	Solid	03/24/05	03/24/05	050324L01

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	5.0	1		Tert-Butyl Alcohol (TBA)	ND	50	1	
Ethylbenzene	ND	5.0	1		Diisopropyl Ether (DIPE)	ND	10	1	
Toluene	ND	5.0	1		Ethyl-t-Butyl Ether (ETBE)	ND	10	1	
p/m-Xylene	ND	5.0	1		Tert-Amyl-Methyl Ether (TAME)	ND	10	1	
o-Xylene	ND	5.0	1		Ethanol	ND	250	1	
Methyl-t-Butyl Ether (MTBE)	ND	5.0	1						
<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>		<u>Qual</u>	<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>		<u>Qual</u>
Dibromofluoromethane	104	75-141			1,2-Dichloroethane-d4	108	73-151		
Toluene-d8	96	87-111			1,4-Bromofluorobenzene	85	71-113		

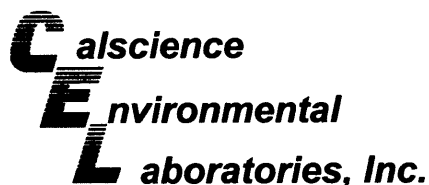
B2-5	05-03-1497-5	03/22/05	Solid	03/24/05	03/24/05	050324L01
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Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	5.0	1		Tert-Butyl Alcohol (TBA)	ND	50	1	
Ethylbenzene	ND	5.0	1		Diisopropyl Ether (DIPE)	ND	10	1	
Toluene	ND	5.0	1		Ethyl-t-Butyl Ether (ETBE)	ND	10	1	
p/m-Xylene	ND	5.0	1		Tert-Amyl-Methyl Ether (TAME)	ND	10	1	
o-Xylene	ND	5.0	1		Ethanol	ND	250	1	
Methyl-t-Butyl Ether (MTBE)	ND	5.0	1						
<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>		<u>Qual</u>	<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>		<u>Qual</u>
Dibromofluoromethane	109	75-141			1,2-Dichloroethane-d4	112	73-151		
Toluene-d8	97	87-111			1,4-Bromofluorobenzene	85	71-113		

B2-10	05-03-1497-6	03/22/05	Solid	03/24/05	03/24/05	050324L01
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Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	5.0	1		Tert-Butyl Alcohol (TBA)	ND	50	1	
Ethylbenzene	ND	5.0	1		Diisopropyl Ether (DIPE)	ND	10	1	
Toluene	ND	5.0	1		Ethyl-t-Butyl Ether (ETBE)	ND	10	1	
p/m-Xylene	ND	5.0	1		Tert-Amyl-Methyl Ether (TAME)	ND	10	1	
o-Xylene	ND	5.0	1		Ethanol	ND	250	1	
Methyl-t-Butyl Ether (MTBE)	ND	5.0	1						
<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>		<u>Qual</u>	<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>		<u>Qual</u>
Dibromofluoromethane	107	75-141			1,2-Dichloroethane-d4	115	73-151		
Toluene-d8	98	87-111			1,4-Bromofluorobenzene	85	71-113		

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers



Analytical Report

Frey Environmental, Inc.
2817-A Lafayette Avenue
Newport Beach, CA 92663-3715

Date Received: 03/23/05
Work Order No: 05-03-1497
Preparation: EPA 5030B
Method: EPA 8260B
Units: ug/kg

Project: MB Industries / 383-01

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Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date Analyzed	QC Batch ID
B2-15	05-03-1497-7	03/22/05	Solid	03/26/05	03/26/05	050326L01

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	5.0	1		Tert-Butyl Alcohol (TBA)	ND	50	1	
Ethylbenzene	ND	5.0	1		Diisopropyl Ether (DIPE)	ND	10	1	
Toluene	ND	5.0	1		Ethyl-t-Butyl Ether (ETBE)	ND	10	1	
p/m-Xylene	ND	5.0	1		Tert-Amyl-Methyl Ether (TAME)	ND	10	1	
o-Xylene	ND	5.0	1		Ethanol	ND	250	1	
Methyl-t-Butyl Ether (MTBE)	ND	5.0	1						
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
Dibromofluoromethane	102	75-141			1,2-Dichloroethane-d4	103	73-151		
Toluene-d8	97	87-111			1,4-Bromofluorobenzene	90	71-113		

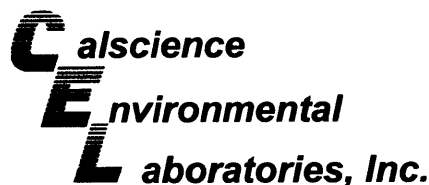
B3-5	05-03-1497-8	03/22/05	Solid	03/26/05	03/26/05	050326L01
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Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	5.0	1		Tert-Butyl Alcohol (TBA)	ND	50	1	
Ethylbenzene	ND	5.0	1		Diisopropyl Ether (DIPE)	ND	10	1	
Toluene	ND	5.0	1		Ethyl-t-Butyl Ether (ETBE)	ND	10	1	
p/m-Xylene	ND	5.0	1		Tert-Amyl-Methyl Ether (TAME)	ND	10	1	
o-Xylene	ND	5.0	1		Ethanol	ND	250	1	
Methyl-t-Butyl Ether (MTBE)	ND	5.0	1						
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
Dibromofluoromethane	104	75-141			1,2-Dichloroethane-d4	101	73-151		
Toluene-d8	97	87-111			1,4-Bromofluorobenzene	90	71-113		

B3-10	05-03-1497-9	03/22/05	Solid	03/26/05	03/26/05	050326L01
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Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	5.0	1		Tert-Butyl Alcohol (TBA)	ND	50	1	
Ethylbenzene	ND	5.0	1		Diisopropyl Ether (DIPE)	ND	10	1	
Toluene	ND	5.0	1		Ethyl-t-Butyl Ether (ETBE)	ND	10	1	
p/m-Xylene	ND	5.0	1		Tert-Amyl-Methyl Ether (TAME)	ND	10	1	
o-Xylene	ND	5.0	1		Ethanol	ND	250	1	
Methyl-t-Butyl Ether (MTBE)	ND	5.0	1						
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
Dibromofluoromethane	99	75-141			1,2-Dichloroethane-d4	99	73-151		
Toluene-d8	97	87-111			1,4-Bromofluorobenzene	90	71-113		

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers



Analytical Report

Frey Environmental, Inc.
2817-A Lafayette Avenue
Newport Beach, CA 92663-3715

Date Received: 03/23/05
Work Order No: 05-03-1497
Preparation: EPA 5030B
Method: EPA 8260B
Units: ug/kg

Project: MB Industries / 383-01

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Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date Analyzed	QC Batch ID
B3-15	05-03-1497-10	03/22/05	Solid	03/26/05	03/26/05	050326L01

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	5.0	1		Tert-Butyl Alcohol (TBA)	ND	50	1	
Ethylbenzene	ND	5.0	1		Diisopropyl Ether (DIPE)	ND	10	1	
Toluene	ND	5.0	1		Ethyl-t-Butyl Ether (ETBE)	ND	10	1	
p/m-Xylene	ND	5.0	1		Tert-Amyl-Methyl Ether (TAME)	ND	10	1	
o-Xylene	ND	5.0	1		Ethanol	ND	250	1	
Methyl-t-Butyl Ether (MTBE)	ND	5.0	1						
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
Dibromofluoromethane	97	75-141			1,2-Dichloroethane-d4	98	73-151		
Toluene-d8	98	87-111			1,4-Bromofluorobenzene	89	71-113		

B4-5	05-03-1497-11	03/22/05	Solid	03/26/05	03/26/05	050326L01
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Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	5.0	1		Tert-Butyl Alcohol (TBA)	ND	50	1	
Ethylbenzene	ND	5.0	1		Diisopropyl Ether (DIPE)	ND	10	1	
Toluene	ND	5.0	1		Ethyl-t-Butyl Ether (ETBE)	ND	10	1	
p/m-Xylene	ND	5.0	1		Tert-Amyl-Methyl Ether (TAME)	ND	10	1	
o-Xylene	ND	5.0	1		Ethanol	ND	250	1	
Methyl-t-Butyl Ether (MTBE)	ND	5.0	1						
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
Dibromofluoromethane	99	75-141			1,2-Dichloroethane-d4	100	73-151		
Toluene-d8	98	87-111			1,4-Bromofluorobenzene	89	71-113		

B4-10	05-03-1497-12	03/22/05	Solid	03/26/05	03/26/05	050326L01
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Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	5.0	1		Tert-Butyl Alcohol (TBA)	ND	50	1	
Ethylbenzene	ND	5.0	1		Diisopropyl Ether (DIPE)	ND	10	1	
Toluene	ND	5.0	1		Ethyl-t-Butyl Ether (ETBE)	ND	10	1	
p/m-Xylene	ND	5.0	1		Tert-Amyl-Methyl Ether (TAME)	ND	10	1	
o-Xylene	ND	5.0	1		Ethanol	ND	250	1	
Methyl-t-Butyl Ether (MTBE)	ND	5.0	1						
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
Dibromofluoromethane	104	75-141			1,2-Dichloroethane-d4	104	73-151		
Toluene-d8	98	87-111			1,4-Bromofluorobenzene	90	71-113		

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers



Analytical Report

Frey Environmental, Inc.
2817-A Lafayette Avenue
Newport Beach, CA 92663-3715

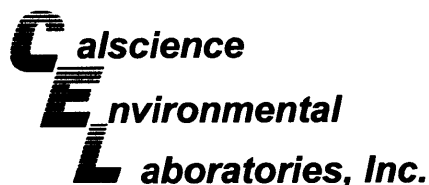
Date Received: 03/23/05
Work Order No: 05-03-1497
Preparation: EPA 5030B
Method: EPA 8260B
Units: ug/kg

Project: MB Industries / 383-01

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Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date Analyzed	QC Batch ID			
B4-15	05-03-1497-13	03/22/05	Solid	03/26/05	03/26/05	050326L01			
Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	5.0	1		Tert-Butyl Alcohol (TBA)	ND	50	1	
Ethylbenzene	ND	5.0	1		Diisopropyl Ether (DIPE)	ND	10	1	
Toluene	ND	5.0	1		Ethyl-t-Butyl Ether (ETBE)	ND	10	1	
p/m-Xylene	ND	5.0	1		Tert-Amyl-Methyl Ether (TAME)	ND	10	1	
o-Xylene	ND	5.0	1		Ethanol	ND	250	1	
Methyl-t-Butyl Ether (MTBE)	ND	5.0	1						
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
Dibromofluoromethane	100	75-141			1,2-Dichloroethane-d4	100	73-151		
Toluene-d8	98	87-111			1,4-Bromofluorobenzene	89	71-113		
B5-5	05-03-1497-14	03/22/05	Solid	03/26/05	03/26/05	050326L01			
Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	5.0	1		Tert-Butyl Alcohol (TBA)	ND	50	1	
Ethylbenzene	ND	5.0	1		Diisopropyl Ether (DIPE)	ND	10	1	
Toluene	ND	5.0	1		Ethyl-t-Butyl Ether (ETBE)	ND	10	1	
p/m-Xylene	ND	5.0	1		Tert-Amyl-Methyl Ether (TAME)	ND	10	1	
o-Xylene	ND	5.0	1		Ethanol	ND	250	1	
Methyl-t-Butyl Ether (MTBE)	ND	5.0	1						
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
Dibromofluoromethane	105	75-141			1,2-Dichloroethane-d4	108	73-151		
Toluene-d8	98	87-111			1,4-Bromofluorobenzene	91	71-113		
B5-10	05-03-1497-15	03/22/05	Solid	03/26/05	03/26/05	050326L01			
Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	5.0	1		Tert-Butyl Alcohol (TBA)	ND	50	1	
Ethylbenzene	ND	5.0	1		Diisopropyl Ether (DIPE)	ND	10	1	
Toluene	ND	5.0	1		Ethyl-t-Butyl Ether (ETBE)	ND	10	1	
p/m-Xylene	ND	5.0	1		Tert-Amyl-Methyl Ether (TAME)	ND	10	1	
o-Xylene	ND	5.0	1		Ethanol	ND	250	1	
Methyl-t-Butyl Ether (MTBE)	ND	5.0	1						
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
Dibromofluoromethane	108	75-141			1,2-Dichloroethane-d4	109	73-151		
Toluene-d8	99	87-111			1,4-Bromofluorobenzene	89	71-113		

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers



Analytical Report

Frey Environmental, Inc.
2817-A Lafayette Avenue
Newport Beach, CA 92663-3715

Date Received: 03/23/05
Work Order No: 05-03-1497
Preparation: EPA 5030B
Method: EPA 8260B
Units: ug/kg

Project: MB Industries / 383-01

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Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date Analyzed	QC Batch ID
B5-12	05-03-1497-16	03/22/05	Solid	03/26/05	03/26/05	050326L01

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	5.0	1		Tert-Butyl Alcohol (TBA)	ND	50	1	
Ethylbenzene	ND	5.0	1		Diisopropyl Ether (DIPE)	ND	10	1	
Toluene	ND	5.0	1		Ethyl-t-Butyl Ether (ETBE)	ND	10	1	
p/m-Xylene	ND	5.0	1		Tert-Amyl-Methyl Ether (TAME)	ND	10	1	
o-Xylene	ND	5.0	1		Ethanol	ND	250	1	
Methyl-t-Butyl Ether (MTBE)	ND	5.0	1						
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
Dibromofluoromethane	105	75-141			1,2-Dichloroethane-d4	106	73-151		
Toluene-d8	98	87-111			1,4-Bromofluorobenzene	89	71-113		

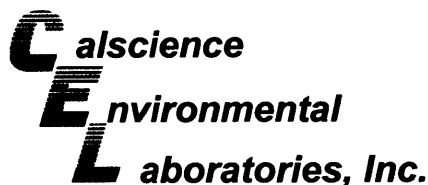
Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date Analyzed	QC Batch ID
B5-14	05-03-1497-17	03/22/05	Solid	03/26/05	03/27/05	050326L03

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	5.0	1		Tert-Butyl Alcohol (TBA)	ND	50	1	
Ethylbenzene	ND	5.0	1		Diisopropyl Ether (DIPE)	ND	10	1	
Toluene	ND	5.0	1		Ethyl-t-Butyl Ether (ETBE)	ND	10	1	
p/m-Xylene	ND	5.0	1		Tert-Amyl-Methyl Ether (TAME)	ND	10	1	
o-Xylene	ND	5.0	1		Ethanol	ND	250	1	
Methyl-t-Butyl Ether (MTBE)	ND	5.0	1						
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
Dibromofluoromethane	106	75-141			1,2-Dichloroethane-d4	107	73-151		
Toluene-d8	98	87-111			1,4-Bromofluorobenzene	89	71-113		

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date Analyzed	QC Batch ID
B6-8	05-03-1497-18	03/22/05	Solid	03/26/05	03/27/05	050326L04

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	500	100		Tert-Butyl Alcohol (TBA)	ND	5000	100	
Ethylbenzene	15000	500	100		Diisopropyl Ether (DIPE)	ND	1000	100	
Toluene	6700	500	100		Ethyl-t-Butyl Ether (ETBE)	ND	1000	100	
p/m-Xylene	71000	500	100		Tert-Amyl-Methyl Ether (TAME)	ND	1000	100	
o-Xylene	17000	500	100		Ethanol	ND	25000	100	
Methyl-t-Butyl Ether (MTBE)	ND	500	100						
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
Dibromofluoromethane	99	75-141			1,2-Dichloroethane-d4	101	73-151		
Toluene-d8	100	87-111			1,4-Bromofluorobenzene	96	71-113		

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers



Analytical Report

Frey Environmental, Inc.
2817-A Lafayette Avenue
Newport Beach, CA 92663-3715

Date Received: 03/23/05
Work Order No: 05-03-1497
Preparation: EPA 5030B
Method: EPA 8260B
Units: ug/kg

Project: MB Industries / 383-01

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Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date Analyzed	QC Batch ID
B6-10	05-03-1497-19	03/22/05	Solid	03/26/05	03/27/05	050326L03

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	110	5	1		Tert-Butyl Alcohol (TBA)	ND	50	1	
Ethylbenzene	260	5	1		Diisopropyl Ether (DIPE)	ND	10	1	
Toluene	76	5	1		Ethyl-t-Butyl Ether (ETBE)	ND	10	1	
p/m-Xylene	1200	5	1		Tert-Amyl-Methyl Ether (TAME)	ND	10	1	
o-Xylene	470	5	1		Ethanol	ND	250	1	
Methyl-t-Butyl Ether (MTBE)	ND	5.0	1						
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
Dibromofluoromethane	98	75-141			1,2-Dichloroethane-d4	99	73-151		
Toluene-d8	98	87-111			1,4-Bromofluorobenzene	96	71-113		

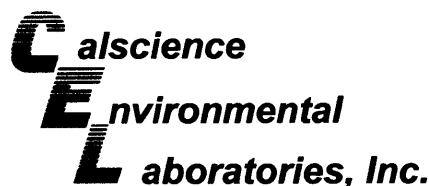
B6-15	05-03-1497-20	03/22/05	Solid	03/26/05	03/27/05	050326L03
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Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	5.0	1		Tert-Butyl Alcohol (TBA)	ND	50	1	
Ethylbenzene	ND	5.0	1		Diisopropyl Ether (DIPE)	ND	10	1	
Toluene	ND	5.0	1		Ethyl-t-Butyl Ether (ETBE)	ND	10	1	
p/m-Xylene	ND	5.0	1		Tert-Amyl-Methyl Ether (TAME)	ND	10	1	
o-Xylene	ND	5.0	1		Ethanol	ND	250	1	
Methyl-t-Butyl Ether (MTBE)	ND	5.0	1						
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
Dibromofluoromethane	100	75-141			1,2-Dichloroethane-d4	103	73-151		
Toluene-d8	97	87-111			1,4-Bromofluorobenzene	91	71-113		

B7-5	05-03-1497-21	03/22/05	Solid	03/26/05	03/27/05	050326L03
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Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	5.0	1		Tert-Butyl Alcohol (TBA)	ND	50	1	
Ethylbenzene	ND	5.0	1		Diisopropyl Ether (DIPE)	ND	10	1	
Toluene	ND	5.0	1		Ethyl-t-Butyl Ether (ETBE)	ND	10	1	
p/m-Xylene	ND	5.0	1		Tert-Amyl-Methyl Ether (TAME)	ND	10	1	
o-Xylene	ND	5.0	1		Ethanol	ND	250	1	
Methyl-t-Butyl Ether (MTBE)	ND	5.0	1						
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
Dibromofluoromethane	105	75-141			1,2-Dichloroethane-d4	108	73-151		
Toluene-d8	97	87-111			1,4-Bromofluorobenzene	90	71-113		

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers



Analytical Report

Frey Environmental, Inc.
2817-A Lafayette Avenue
Newport Beach, CA 92663-3715

Date Received: 03/23/05
Work Order No: 05-03-1497
Preparation: EPA 5030B
Method: EPA 8260B
Units: ug/kg

Project: MB Industries / 383-01

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Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date Analyzed	QC Batch ID			
B7-10	05-03-1497-22	03/22/05	Solid	03/26/05	03/27/05	050326L03			
Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	25	5	1		Tert-Butyl Alcohol (TBA)	ND	50	1	
Ethylbenzene	67	5	1		Diisopropyl Ether (DIPE)	ND	10	1	
Toluene	ND	5.0	1		Ethyl-t-Butyl Ether (ETBE)	ND	10	1	
p/m-Xylene	310	5	1		Tert-Amyl-Methyl Ether (TAME)	ND	10	1	
o-Xylene	130	5	1		Ethanol	ND	250	1	
Methyl-t-Butyl Ether (MTBE)	ND	5.0	1						
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
Dibromofluoromethane	105	75-141			1,2-Dichloroethane-d4	107	73-151		
Toluene-d8	96	87-111			1,4-Bromofluorobenzene	95	71-113		
B7-15	05-03-1497-23	03/22/05	Solid	03/26/05	03/27/05	050326L03			
Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	5.0	1		Tert-Butyl Alcohol (TBA)	ND	50	1	
Ethylbenzene	ND	5.0	1		Diisopropyl Ether (DIPE)	ND	10	1	
Toluene	ND	5.0	1		Ethyl-t-Butyl Ether (ETBE)	ND	10	1	
p/m-Xylene	ND	5.0	1		Tert-Amyl-Methyl Ether (TAME)	ND	10	1	
o-Xylene	ND	5.0	1		Ethanol	ND	250	1	
Methyl-t-Butyl Ether (MTBE)	ND	5.0	1						
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
Dibromofluoromethane	102	75-141			1,2-Dichloroethane-d4	106	73-151		
Toluene-d8	98	87-111			1,4-Bromofluorobenzene	89	71-113		
Method Blank	099-10-005-10,110	N/A	Solid	03/24/05	03/24/05	050324L01			
Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	5.0	1		Tert-Butyl Alcohol (TBA)	ND	50	1	
Ethylbenzene	ND	5.0	1		Diisopropyl Ether (DIPE)	ND	10	1	
Toluene	ND	5.0	1		Ethyl-t-Butyl Ether (ETBE)	ND	10	1	
p/m-Xylene	ND	5.0	1		Tert-Amyl-Methyl Ether (TAME)	ND	10	1	
o-Xylene	ND	5.0	1		Ethanol	ND	250	1	
Methyl-t-Butyl Ether (MTBE)	ND	5.0	1						
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
Dibromofluoromethane	101	75-141			1,2-Dichloroethane-d4	108	73-151		
Toluene-d8	96	87-111			1,4-Bromofluorobenzene	87	71-113		

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers



Analytical Report

Frey Environmental, Inc.
2817-A Lafayette Avenue
Newport Beach, CA 92663-3715

Date Received: 03/23/05
Work Order No: 05-03-1497
Preparation: EPA 5030B
Method: EPA 8260B
Units: ug/kg

Project: MB Industries / 383-01

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Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date Analyzed	QC Batch ID
Method Blank	099-10-005-10,118	N/A	Solid	03/26/05	03/26/05	050326L01

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	5.0	1		Tert-Butyl Alcohol (TBA)	ND	50	1	
Ethylbenzene	ND	5.0	1		Diisopropyl Ether (DIPE)	ND	10	1	
Toluene	ND	5.0	1		Ethyl-t-Butyl Ether (ETBE)	ND	10	1	
p/m-Xylene	ND	5.0	1		Tert-Amyl-Methyl Ether (TAME)	ND	10	1	
o-Xylene	ND	5.0	1		Ethanol	ND	250	1	
Methyl-t-Butyl Ether (MTBE)	ND	5.0	1						
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
Dibromofluoromethane	101	75-141			1,2-Dichloroethane-d4	101	73-151		
Toluene-d8	96	87-111			1,4-Bromofluorobenzene	91	71-113		

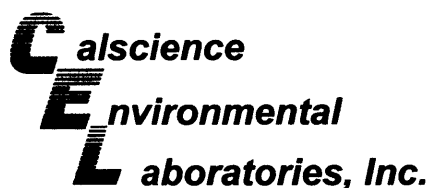
Method Blank	099-10-005-10,122	N/A	Solid	03/26/05	03/27/05	050326L03
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Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	5.0	1		Tert-Butyl Alcohol (TBA)	ND	50	1	
Ethylbenzene	ND	5.0	1		Diisopropyl Ether (DIPE)	ND	10	1	
Toluene	ND	5.0	1		Ethyl-t-Butyl Ether (ETBE)	ND	10	1	
p/m-Xylene	ND	5.0	1		Tert-Amyl-Methyl Ether (TAME)	ND	10	1	
o-Xylene	ND	5.0	1		Ethanol	ND	250	1	
Methyl-t-Butyl Ether (MTBE)	ND	5.0	1						
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
Dibromofluoromethane	106	75-141			1,2-Dichloroethane-d4	107	73-151		
Toluene-d8	98	87-111			1,4-Bromofluorobenzene	91	71-113		

Method Blank	099-10-005-10,123	N/A	Solid	03/26/05	03/26/05	050326L02
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Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	130	25		Tert-Butyl Alcohol (TBA)	ND	1300	25	
Ethylbenzene	ND	130	25		Diisopropyl Ether (DIPE)	ND	250	25	
Toluene	ND	130	25		Ethyl-t-Butyl Ether (ETBE)	ND	250	25	
p/m-Xylene	ND	130	25		Tert-Amyl-Methyl Ether (TAME)	ND	250	25	
o-Xylene	ND	130	25		Ethanol	ND	6300	25	
Methyl-t-Butyl Ether (MTBE)	ND	130	25						
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
Dibromofluoromethane	97	75-141			1,2-Dichloroethane-d4	97	73-151		
Toluene-d8	98	87-111			1,4-Bromofluorobenzene	92	71-113		

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers



Analytical Report

Frey Environmental, Inc.
2817-A Lafayette Avenue
Newport Beach, CA 92663-3715

Date Received: 03/23/05
Work Order No: 05-03-1497
Preparation: EPA 5030B
Method: EPA 8260B
Units: ug/kg

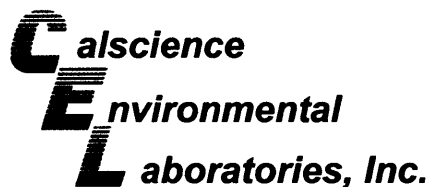
Project: MB Industries / 383-01

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Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date Analyzed	QC Batch ID
Method Blank	099-10-005-10,124	N/A	Solid	03/26/05	03/27/05	050326L04

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	130	25		Tert-Butyl Alcohol (TBA)	ND	1300	25	
Ethylbenzene	ND	130	25		Diisopropyl Ether (DIPE)	ND	250	25	
Toluene	ND	130	25		Ethyl-t-Butyl Ether (ETBE)	ND	250	25	
p/m-Xylene	ND	130	25		Tert-Amyl-Methyl Ether (TAME)	ND	250	25	
o-Xylene	ND	130	25		Ethanol	ND	6300	25	
Methyl-t-Butyl Ether (MTBE)	ND	130	25						
Surrogates:	REC (%)	Control Limits	Qual		Surrogates:	REC (%)	Control Limits	Qual	
Dibromofluoromethane	100	75-141			1,2-Dichloroethane-d4	98	73-151		
Toluene-d8	98	87-111			1,4-Bromofluorobenzene	91	71-113		

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers



Quality Control - Spike/Spike Duplicate

Frey Environmental, Inc.
2817-A Lafayette Avenue
Newport Beach, CA 92663-3715

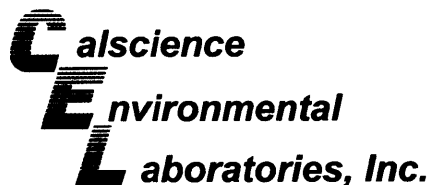
Date Received: 03/23/05
Work Order No: 05-03-1497
Preparation: EPA 5030B
Method: DHS LUFT

Project MB Industries / 383-01

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
B1-12	Solid	GC 11	03/25/05	03/25/05	050325S01

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
TPH as Gasoline	94	93	66-108	1	0-18	

RPD - Relative Percent Difference , CL - Control Limit



Quality Control - Spike/Spike Duplicate

Frey Environmental, Inc.
2817-A Lafayette Avenue
Newport Beach, CA 92663-3715

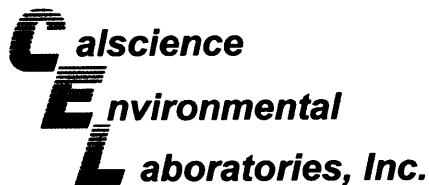
Date Received: 03/23/05
Work Order No: 05-03-1497
Preparation: EPA 5030B
Method: DHS LUFT

Project MB Industries / 383-01

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
B7-15	Solid	GC 11	03/26/05	03/26/05	050326S01

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
TPH as Gasoline	86	89	66-108	3	0-18	

RPD - Relative Percent Difference , CL - Control Limit



Quality Control - Spike/Spike Duplicate

Frey Environmental, Inc.
2817-A Lafayette Avenue
Newport Beach, CA 92663-3715

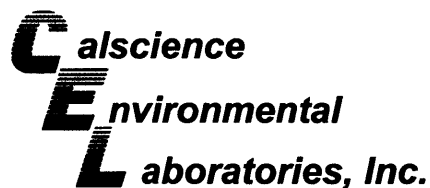
Date Received: 03/23/05
Work Order No: 05-03-1497
Preparation: EPA 5030B
Method: EPA 8260B

Project MB Industries / 383-01

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
05-03-1437-9	Solid	GC/MS X	03/24/05	03/24/05	050324S01

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Benzene	83	93	78-114	11	0-14	
Carbon Tetrachloride	92	103	48-138	12	0-20	
Chlorobenzene	89	101	77-107	13	0-17	
1,2-Dichlorobenzene	88	101	62-110	14	0-25	
1,1-Dichloroethene	83	87	73-127	5	0-21	
Toluene	87	97	74-116	10	0-16	
Trichloroethene	117	136	74-122	15	0-17	3
Vinyl Chloride	101	107	67-121	6	0-23	
Methyl-t-Butyl Ether (MTBE)	83	96	69-123	14	0-18	
Tert-Butyl Alcohol (TBA)	81	94	53-125	15	0-25	
Diisopropyl Ether (DIPE)	86	99	71-119	15	0-22	
Ethyl-t-Butyl Ether (ETBE)	85	98	73-121	14	0-16	
Tert-Amyl-Methyl Ether (TAME)	86	99	75-117	14	0-14	
Ethanol	98	100	45-135	2	0-29	

RPD - Relative Percent Difference , CL - Control Limit



Quality Control - Spike/Spike Duplicate

Frey Environmental, Inc.
2817-A Lafayette Avenue
Newport Beach, CA 92663-3715

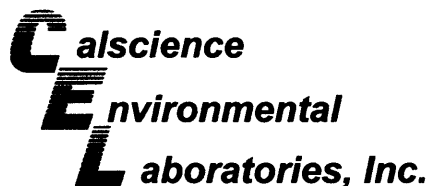
Date Received: 03/23/05
Work Order No: 05-03-1497
Preparation: EPA 5030B
Method: EPA 8260B

Project MB Industries / 383-01

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
B2-15	Solid	GC/MS W	03/26/05	03/26/05	050326S01

<u>Parameter</u>	<u>MS %REC</u>	<u>MSD %REC</u>	<u>%REC CL</u>	<u>RPD</u>	<u>RPD CL</u>	<u>Qualifiers</u>
Benzene	94	98	78-114	4	0-14	
Carbon Tetrachloride	103	115	48-138	11	0-20	
Chlorobenzene	98	104	77-107	6	0-17	
1,2-Dichlorobenzene	98	106	62-110	8	0-25	
1,1-Dichloroethene	93	97	73-127	4	0-21	
Toluene	92	96	74-116	5	0-16	
Trichloroethene	97	102	74-122	5	0-17	
Vinyl Chloride	101	100	67-121	1	0-23	
Methyl-t-Butyl Ether (MTBE)	91	95	69-123	5	0-18	
Tert-Butyl Alcohol (TBA)	108	121	53-125	11	0-25	
Diisopropyl Ether (DIPE)	94	97	71-119	4	0-22	
Ethyl-t-Butyl Ether (ETBE)	91	96	73-121	5	0-16	
Tert-Amyl-Methyl Ether (TAME)	92	98	75-117	6	0-14	
Ethanol	90	94	45-135	4	0-29	

RPD - Relative Percent Difference , CL - Control Limit



Quality Control - Spike/Spike Duplicate

Frey Environmental, Inc.
2817-A Lafayette Avenue
Newport Beach, CA 92663-3715

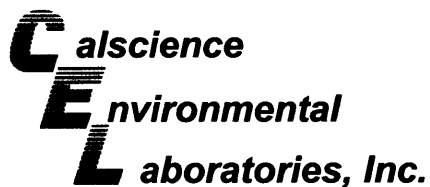
Date Received: 03/23/05
Work Order No: 05-03-1497
Preparation: EPA 5030B
Method: EPA 8260B

Project MB Industries / 383-01

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
B7-15	Solid	GC/MS W	03/26/05	03/27/05	050326S02

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Benzene	97	93	78-114	4	0-14	
Carbon Tetrachloride	102	110	48-138	8	0-20	
Chlorobenzene	99	91	77-107	8	0-17	
1,2-Dichlorobenzene	98	84	62-110	16	0-25	
1,1-Dichloroethene	96	97	73-127	1	0-21	
Toluene	94	88	74-116	6	0-16	
Trichloroethene	113	104	74-122	9	0-17	
Vinyl Chloride	102	101	67-121	1	0-23	
Methyl-t-Butyl Ether (MTBE)	89	92	69-123	3	0-18	
Tert-Butyl Alcohol (TBA)	95	104	53-125	9	0-25	
Diisopropyl Ether (DIPE)	95	95	71-119	1	0-22	
Ethyl-t-Butyl Ether (ETBE)	91	93	73-121	2	0-16	
Tert-Amyl-Methyl Ether (TAME)	94	92	75-117	1	0-14	
Ethanol	86	91	45-135	6	0-29	

RPD - Relative Percent Difference , CL - Control Limit



Quality Control - LCS/LCS Duplicate

Frey Environmental, Inc.
 2817-A Lafayette Avenue
 Newport Beach, CA 92663-3715

Date Received: N/A
 Work Order No: 05-03-1497
 Preparation: EPA 5030B
 Method: DHS LUFT

Project: MB Industries / 383-01

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
098-03-008-5,338	Solid	GC 11	03/26/05	03/26/05	050326B02

Parameter	LCS %REC	LCSD %REC	%REC CL	RPD	RPD CL	Qualifiers
TPH as Gasoline	98	99	70-118	1	0-28	

RPD - Relative Percent Difference , CL - Control Limit

Calscience
Environmental Quality Control - Laboratory Control Sample
Laboratories, Inc.

Frey Environmental, Inc.
 2817-A Lafayette Avenue
 Newport Beach, CA 92663-3715

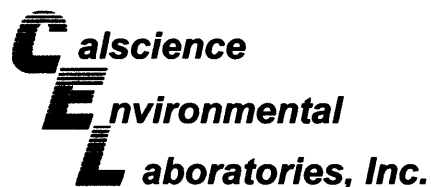
Date Received: N/A
 Work Order No: 05-03-1497
 Preparation: EPA 5030B
 Method: DHS LUFT

Project: MB Industries / 383-01

Quality Control Sample ID	Matrix	Instrument	Date Analyzed	Lab File ID	LCS Batch Number
098-03-008-5,336	Solid	GC 11	03/25/05	003F0301	050325B01

<u>Parameter</u>	<u>Conc Added</u>	<u>Conc Recovered</u>	<u>LCS %Rec</u>	<u>%Rec CL</u>	<u>Qualifiers</u>
TPH as Gasoline	10	9.7	97	70-118	

RPD - Relative Percent Difference , CL - Control Limit

**Quality Control - LCS/LCS Duplicate**

Frey Environmental, Inc.
2817-A Lafayette Avenue
Newport Beach, CA 92663-3715

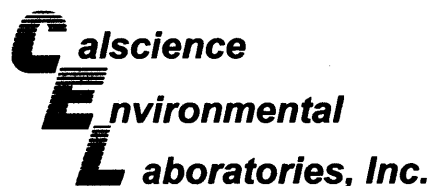
Date Received: N/A
Work Order No: 05-03-1497
Preparation: EPA 5030B
Method: DHS LUFT

Project: MB Industries / 383-01

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
098-03-008-5,337	Solid	GC 11	03/26/05	03/26/05	050326B01

<u>Parameter</u>	<u>LCS %REC</u>	<u>LCSD %REC</u>	<u>%REC CL</u>	<u>RPD</u>	<u>RPD CL</u>	<u>Qualifiers</u>
TPH as Gasoline	94	98	70-118	4	0-28	

RPD - Relative Percent Difference , CL - Control Limit



Quality Control - LCS/LCS Duplicate

Frey Environmental, Inc.
2817-A Lafayette Avenue
Newport Beach, CA 92663-3715

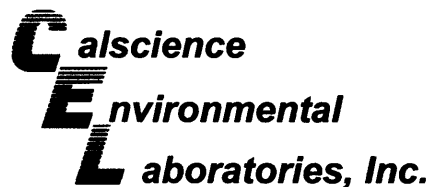
Date Received: N/A
Work Order No: 05-03-1497
Preparation: EPA 5030B
Method: EPA 8260B

Project: MB Industries / 383-01

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-10-005-10,110	Solid	GC/MS X	03/24/05	03/24/05	050324L01

Parameter	LCS %REC	LCSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Benzene	101	102	84-114	2	0-7	
Carbon Tetrachloride	112	114	69-135	1	0-13	
Chlorobenzene	104	108	85-109	4	0-8	
1,2-Dichlorobenzene	109	114	80-110	5	0-10	X
1,1-Dichloroethene	94	96	83-125	2	0-10	
Toluene	101	105	79-115	4	0-8	
Trichloroethene	101	107	87-111	5	0-7	
Vinyl Chloride	90	90	72-126	0	0-10	
Methyl-t-Butyl Ether (MTBE)	109	110	75-129	1	0-13	
Tert-Butyl Alcohol (TBA)	103	102	66-126	1	0-24	
Diisopropyl Ether (DIPE)	112	113	77-125	1	0-13	
Ethyl-t-Butyl Ether (ETBE)	110	112	72-132	2	0-12	
Tert-Amyl-Methyl Ether (TAME)	113	114	77-125	1	0-10	
Ethanol	105	80	50-134	27	0-23	X

RPD - Relative Percent Difference , CL - Control Limit



Quality Control - LCS/LCS Duplicate

Frey Environmental, Inc.
2817-A Lafayette Avenue
Newport Beach, CA 92663-3715

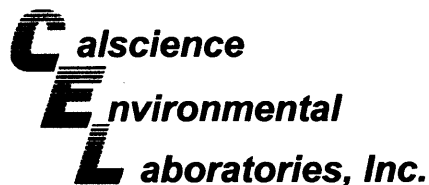
Date Received: N/A
Work Order No: 05-03-1497
Preparation: EPA 5030B
Method: EPA 8260B

Project: MB Industries / 383-01

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-10-005-10,118	Solid	GC/MS W	03/26/05	03/26/05	050326L01

Parameter	LCS %REC	LCSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Benzene	94	96	84-114	2	0-7	
Carbon Tetrachloride	103	111	69-135	7	0-13	
Chlorobenzene	100	101	85-109	0	0-8	
1,2-Dichlorobenzene	103	105	80-110	2	0-10	
1,1-Dichloroethene	95	92	83-125	2	0-10	
Toluene	93	95	79-115	2	0-8	
Trichloroethene	94	95	87-111	1	0-7	
Vinyl Chloride	103	96	72-126	7	0-10	
Methyl-t-Butyl Ether (MTBE)	93	94	75-129	2	0-13	
Tert-Butyl Alcohol (TBA)	104	112	66-126	8	0-24	
Diisopropyl Ether (DIPE)	94	97	77-125	2	0-13	
Ethyl-t-Butyl Ether (ETBE)	93	94	72-132	1	0-12	
Tert-Amyl-Methyl Ether (TAME)	94	97	77-125	3	0-10	
Ethanol	88	92	50-134	4	0-23	

RPD - Relative Percent Difference , CL - Control Limit



Quality Control - LCS/LCS Duplicate

Frey Environmental, Inc.
2817-A Lafayette Avenue
Newport Beach, CA 92663-3715

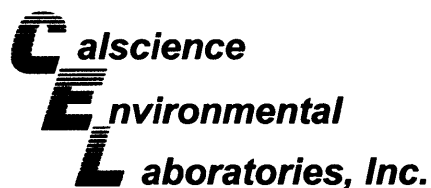
Date Received: N/A
Work Order No: 05-03-1497
Preparation: EPA 5030B
Method: EPA 8260B

Project: MB Industries / 383-01

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-10-005-10,123	Solid	GC/MS W	03/26/05	03/26/05	050326L02

Parameter	LCS %REC	LCSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Benzene	94	96	84-114	2	0-7	
Carbon Tetrachloride	103	111	69-135	7	0-13	
Chlorobenzene	100	101	85-109	0	0-8	
1,2-Dichlorobenzene	103	105	80-110	2	0-10	
1,1-Dichloroethene	95	92	83-125	2	0-10	
Toluene	93	95	79-115	2	0-8	
Trichloroethene	94	95	87-111	1	0-7	
Vinyl Chloride	103	96	72-126	7	0-10	
Methyl-t-Butyl Ether (MTBE)	93	94	75-129	2	0-13	
Tert-Butyl Alcohol (TBA)	104	112	66-126	8	0-24	
Diisopropyl Ether (DIPE)	94	97	77-125	2	0-13	
Ethyl-t-Butyl Ether (ETBE)	93	94	72-132	1	0-12	
Tert-Amyl-Methyl Ether (TAME)	94	97	77-125	3	0-10	
Ethanol	88	92	50-134	4	0-23	

RPD - Relative Percent Difference , CL - Control Limit

**Quality Control - LCS/LCS Duplicate**

Frey Environmental, Inc.
2817-A Lafayette Avenue
Newport Beach, CA 92663-3715

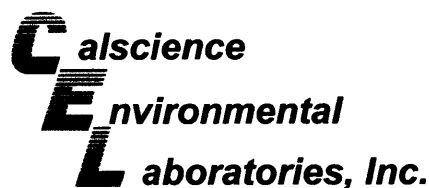
Date Received: N/A
Work Order No: 05-03-1497
Preparation: EPA 5030B
Method: EPA 8260B

Project: MB Industries / 383-01

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-10-005-10,122	Solid	GC/MS W	03/26/05	03/27/05	050326L03

Parameter	LCS %REC	LCSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Benzene	96	98	84-114	1	0-7	
Carbon Tetrachloride	112	118	69-135	5	0-13	
Chlorobenzene	101	101	85-109	1	0-8	
1,2-Dichlorobenzene	103	104	80-110	1	0-10	
1,1-Dichloroethene	94	96	83-125	2	0-10	
Toluene	95	95	79-115	1	0-8	
Trichloroethene	97	98	87-111	1	0-7	
Vinyl Chloride	102	102	72-126	1	0-10	
Methyl-t-Butyl Ether (MTBE)	92	94	75-129	2	0-13	
Tert-Butyl Alcohol (TBA)	106	114	66-126	6	0-24	
Diisopropyl Ether (DIPE)	97	98	77-125	1	0-13	
Ethyl-t-Butyl Ether (ETBE)	94	95	72-132	1	0-12	
Tert-Amyl-Methyl Ether (TAME)	95	97	77-125	2	0-10	
Ethanol	96	94	50-134	3	0-23	

RPD - Relative Percent Difference , CL - Control Limit



Quality Control - LCS/LCS Duplicate

Frey Environmental, Inc.
2817-A Lafayette Avenue
Newport Beach, CA 92663-3715

Date Received: N/A
Work Order No: 05-03-1497
Preparation: EPA 5030B
Method: EPA 8260B

Project: MB Industries / 383-01

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-10-005-10,124	Solid	GC/MS W	03/26/05	03/27/05	050326L04

Parameter	LCS %REC	LCSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Benzene	96	98	84-114	1	0-7	
Carbon Tetrachloride	112	118	69-135	5	0-13	
Chlorobenzene	101	101	85-109	1	0-8	
1,2-Dichlorobenzene	103	104	80-110	1	0-10	
1,1-Dichloroethene	94	96	83-125	2	0-10	
Toluene	95	95	79-115	1	0-8	
Trichloroethene	97	98	87-111	1	0-7	
Vinyl Chloride	102	102	72-126	1	0-10	
Methyl-t-Butyl Ether (MTBE)	92	94	75-129	2	0-13	
Tert-Butyl Alcohol (TBA)	106	114	66-126	6	0-24	
Diisopropyl Ether (DIPE)	97	98	77-125	1	0-13	
Ethyl-t-Butyl Ether (ETBE)	94	95	72-132	1	0-12	
Tert-Amyl-Methyl Ether (TAME)	95	97	77-125	2	0-10	
Ethanol	96	94	50-134	3	0-23	

RPD - Relative Percent Difference , CL - Control Limit

Glossary of Terms and QualifiersWork Order Number: 05-03-1497

<u>Qualifier</u>	<u>Definition</u>
*	See applicable analysis comment.
1	Surrogate compound recovery was out of control due to a required sample dilution, therefore, the sample data was reported without further clarification.
2	Surrogate compound recovery was out of control due to matrix interference. The associated method blank surrogate spike compound was in control and, therefore, the sample data was reported without further clarification.
3	Recovery of the Matrix Spike or Matrix Spike Duplicate compound was out of control due to matrix interference. The associated LCS and/or LCSD was in control and, therefore, the sample data was reported without further clarification.
4	The MS/MSD RPD was out of control due to matrix interference. The LCS/LCSD RPD was in control and, therefore, the sample data was reported without further clarification.
5	The PDS/PDSD associated with this batch of samples was out of control due to a matrix interference effect. The associated batch LCS/LCSD was in control and, hence, the associated sample data was reported with no further corrective action required.
A	Result is the average of all dilutions, as defined by the method.
B	Analyte was present in the associated method blank.
C	Analyte presence was not confirmed on primary column.
E	Concentration exceeds the calibration range.
H	Sample received and/or analyzed past the recommended holding time.
J	Analyte was detected at a concentration below the reporting limit and above the laboratory method detection limit. Reported value is estimated.
N	Nontarget Analyte.
ND	Parameter not detected at the indicated reporting limit.
Q	Spike recovery and RPD control limits do not apply resulting from the parameter concentration in the sample exceeding the spike concentration by a factor of four or greater.
U	Undetected at the laboratory method detection limit.
X	% Recovery and/or RPD out-of-range.
Z	Analyte presence was not confirmed by second column or GC/MS analysis.



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**CALSCIENCE ENVIRONMENTAL
LABORATORIES, INC.**

Date 3/22/05

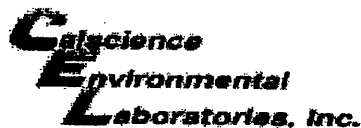
Page 3 of 3

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09/10/01 Revision



WORK ORDER #:

05 - 03 - 1497

Cooler 1 of 1**SAMPLE RECEIPT FORM**CLIENT: FREYDATE: 03/23/05**TEMPERATURE - SAMPLES RECEIVED BY:****CALSCIENCE COURIER:**☐ Chilled, cooler with temperature blank provided.☐ Chilled, cooler without temperature blank.☒ Chilled and placed in cooler with wet ice.☐ Ambient and placed in cooler with wet ice.☐ Ambient temperature.2.7 °C Temperature blank.**LABORATORY (Other than CalScience Courier):**☐ °C Temperature blank.☐ °C IR thermometer.☐ Ambient temperature.Initial: TW**CUSTODY SEAL INTACT:**Sample(s): _____ Cooler: _____ No (Not Intact) : _____ Not Applicable (N/A): ✓Initial: TW**SAMPLE CONDITION:**

	Yes	No	N/A
Chain-Of-Custody document(s) received with samples.....	<u>✓</u>		
Sample container label(s) consistent with custody papers.....	<u>✓</u>		
Sample container(s) intact and good condition.....	<u>✓</u>		
Correct containers for analyses requested.....	<u>✓</u>		
Proper preservation noted on sample label(s).....			<u>✓</u>
VOA vial(s) free of headspace.....			<u>✓</u>
Tedlar bag(s) free of condensation.....			<u>✓</u>

Initial: TW**COMMENTS:**

APPENDIX D

**ESTIMATED MASS OF PETROLEUM HYDROCARBONS
BENEATH THE SITE**

**SOIL HYDROCARBON MASS ESTIMATE
16808 SOUTH HARBOR BOULEVARD, CA**

Estimated area of impacted soil [1] :	<table border="1"><tr><td>455</td></tr></table>	455	square feet		
455					
Average thickness of impacted soil:	<table border="1"><tr><td>5</td></tr></table>	5	feet		
5					
Est. Impacted Volume:	<table border="1"><tr><td>2,275</td></tr></table>	2,275	cubic feet	<table border="1"><tr><td>84.26</td></tr></table> cubic yards	84.26
2,275					
84.26					
Arithmetic average of reported TPH values in estimated volume (mg/kg)[2]:	<table border="1"><tr><td>15.44</td></tr></table>	15.44	mg/kg		
15.44					
Soil bulk density (assumed):	<table border="1"><tr><td>0.0017</td></tr></table>	0.0017	kg/cm ³		
0.0017					

Using the equation:

Mass (lbs) = (Average Soil Concentration [mg/kg]) x (Soil Bulk Density [kg/cm ³]) x (28317 cm ³ /ft ³) x (Soil Volume [ft ³]) x (1 kg/1,000,000 mg) x (1 lb/0.4536 kg)

Mass of TPH in soil volume [2]:	<table border="1"><tr><td>3.73</td></tr></table>	3.73	Pounds	1 kg = 2.2 lbs. 1 gallon gasoline = 6 lbs
	3.73			
	<table border="1"><tr><td>1.69</td></tr></table>	1.69	Kilograms	
1.69				
<table border="1"><tr><td>0.62</td></tr></table>	0.62	Gallons		
0.62				

Notes:

- 1) The area of impacted soil is based on the attached estimated extent of TPH concentrations in soil. The area was calculated by modelling the areal extent as a rectangle with a length of 35 feet and a width of 13 feet.
- 2.) The arithmetic average of reported TPH values is based on laboratory analytical data from soil samples collected between 5 and 10 feet bgs. Average TPH concentrations are assumed to be distributed evenly throughout estimated cell of impacted soil.
- 3.) Soil bulk density is an assumed value based on silt as primary soil type (Das, Braja M.; Principles of Geotechnical Engineering, Second Edition, 1990)